R600

BY SAMSUNG

(SCH-R600 Series)

PORTABLE DUAL-BAND

MOBILE PHONE

User Manual
Please read this manual before operating your phone, and keep it for future reference.

Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating there to (the "Phone System"), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

Samsung Telecommunications America (STA), LLC

Headquarters:Customer Care Center:
1301 E. Lookout Drive1000 Klein Rd.
Richardson, TX 75082Plano, TX 75074
Toll Free Tel: 1.888.987.HELP (4357)
Internet Address: http://www.samsungusa.com

© 2009 Samsung Telecommunications America, LLC is a registered trademark of Samsung Electronics America, Inc. and its related entities.

Do you have questions about your Samsung Mobile Phone?
For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:

www.samsungtelecom.com/support

GH68-22561A
Printed in Korea.

T9 Text Input is licensed by Tegic Communications and is covered by U.S. Pat. 5,818,437; U.S. Pat. 5,953,541; U.S. Pat. 6,011,554 and other patents pending.

VoiceSignal® and the VoiceSignal logo are registered Trademarks of VoiceSignal Technologies, Inc.

Openwave® is a registered Trademark of Openwave, Inc.

microSD™ and the microSD logo are Trademarks of the SD Card Association.

Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT "AS IS", AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

Table of Contents

Section 1: Getting Started 4
- Understanding this User Manual 4
- Charging the Battery 5
- Activating Your Phone 6
- Setting Up Your Voicemail 7
- Memory Card (Optional) 8
- Replacing the Front Folder Cover 9

Section 2: Understanding Your Phone 10
- Features of Your Phone 10
- Closed View of Your Phone 10
- Open View (Front) of Your Phone 11
- Command Keys 12
- Understanding the Display Screen 14
- Your Phone's Modes 15

Section 3: Menu Navigation 19
- Menu Navigation 19
- Navigate Using Shortcuts 20

Section 4: Call Functions 21
- Making a Call — Number Entry Dialing 21
- Making a Call — Speed Dialing 22
- Making a Call — Quick Search Dialing 23
- Making a Call — Voice Dialing 23
- Answering a Call 25
- Ignoring a Call 25
- Adjusting the Call Volume 26
- Calls Log 26
- Roaming 31

Section 5: Understanding Your Contacts 33
- Your Contacts List 33
- Adding a New Contacts Entry 33
- Finding a Contacts Entry 36
- Editing an Existing Contact Entry 39
- Speed Dial Numbers 43
- Renaming a Contacts Group 43
- Deleting a Contacts Entry 44
- Sending a Contacts Entry 44
- Memory Info 44

Section 6: Entering Text 45
- Text Entry Modes 45
- Changing the Text Entry Mode 45
- Entering Text in Alpha (Abc) Mode 46
- Entering Text in T9 Word Mode 46
- Entering Upper and Lower Case Letters 47
- Entering Numbers 48
- Entering Symbols 48

Section 7: Messaging 49
- Creating and Sending New Messages 49
- Message Send Options 55

Receiving New Messages 56
Voicemail 56
Message Folders 57
Erasing Messages 61
Message Settings 61
Section 8: Browser 63
Browser Indicator 63
Launching the Browser 63
Using Browser 63
Using Links 64
How Browser Keys Work 64
Section 9: Brew 65
Launching Brew 65
Applications Shopping and Downloading (Brew) 65
Changing Your Brew Settings 65
Using On-line Help 66
Section 10: Camera-Camcorder 68
Taking Pictures and Videos 68
Taking Snap Shots (Single Pictures) 68
Screen Layouts 70
Saving Pictures and Videos 72
Camera Options 73
Camcorder Options 77
Zoom 80
Brightness 80
The Photo Gallery 80
Point, Click, and Send Pictures and Videos 81
Section 11: Multimedia 83
Accessing Multimedia 83
My Images 83
My Videos 85
Music Player 86
My Ringtones 88
My Sounds 89
Section 12: Tools 92
Accessing Your Phone's Tools 92
Bluetooth 92
Calendar 95
Memo Pad 97
Alarm Clock 98
World Time 99
Calculator 101
Stop Watch 101
Converter 102
Tip Calculator 104
Section 13: Voice Service 106
Voice Service 106
Section 14: Changing Your Settings 111
Settings Menu 111
Location 111
Display Settings 111
Sounds Settings 114

Call Settings 116
Phone Settings 119
Memory Info 125
Phone Info 129
Accessing Your Phone's Information 129
Section 15: Health and Safety Information 131
Health and Safety Information 131
Samsung Mobile Products and Recycling 132
UL Certified Travel Adapter 132
Consumer Information on Wireless Phones 133
Road Safety 138
Responsible Listening 140
Operating Environment 142
Using Your Phone Near Other Electronic Devices 142
FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices 143
Other Medical Devices 144
Potentially Explosive Environments 144
Emergency Calls 145
FCC Notice and Cautions 146
Other Important Safety Information 146
Product Performance 147
Availability of Various Features/Ring Tones 147
Battery Standby and Talk Time 148
Battery Precautions 148
Care and Maintenance 149
Section 16: Warranty Information 151
Standard Limited Warranty 151
End User License Agreement for Software 154
Index 159

This section explains how to start using your Samsung R600 phone by activating your service, setting up your Voicemail, or getting an understanding of how this manual is put together.

Understanding this User Manual

The chapters of this manual generally follow the same order as the menus and sub-menus in your phone. A robust index for quick reference to most features begins on page 72.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 131.

Notes and Tips

Throughout this manual some text is set apart from the rest. In this way, important information, quick methods for activating features, to define terms, and more are emphasized. The definitions for these methods are as follows:

- **Notes** — Explain alternative options within the current feature, menu, or sub-menu.
- **Tips** — Provide quick or innovative methods for performing functions related to the subject at hand.
- **Important** — Points out important information about the current feature that could affect performance, or even damage your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following terms and icon appear in place of repeatedly-used procedural steps:

highlight	Use the Navigation key ( ) to move a highlighting effect onto a menu item or screen item of interest.
select	After "highlighting" a menu item or screen item, press the **MENU-OK** key ( ) to launch, access, or save a highlighted menu item or screen field of interest.
→	Used in place of "select" in long "drill down" procedure steps.

Example: "...Settings → Call Settings → Call Answer..."

Charging the Battery

Your phone is powered by a rechargeable standard Li-Ion battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life.

Important!: Use of other accessories may invalidate your warranty and may cause damage.

Use the Travel Adapter

The travel adapter included with your phone is a convenient, light-weight charger that rapidly charges your phone from any 120/220 VAC outlet.

1. Plug the large end of the Travel Adapter into a standard 120 VAC or 220 VAC wall outlet.

Important!: For connection to an electrical supply not located in North America, you must use an adaptor of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

2. Insert the smaller end of the Travel Adapter into the charger/accessory connector at the bottom end of your phone.

Important!: You must unplug the adapter before removing the battery from the phone during charging to avoid damage.

Low battery indicator

The battery indicator ( ) in the upper-right corner of the display indicates power level. Monitor the battery strength and ensure your battery is adequately charged.

- Five bars ( ) indicate a full charge.
- An empty battery icon ( ) indicates a near empty battery.
- A blinking empty battery icon ( ) and a tone sounding indicate you have two to three minutes before the battery is too low to operate the phone.

Important!: If you continue to use your phone without charging its battery, the phone will shut down.

Activating Your Phone

Contact your Wireless Carrier and follow their instructions for obtaining service, if necessary. We suggest that you read this guide to fully understand the services your phone supports.

Install the Battery

Note: Your phone comes packaged with a partially charged rechargeable standard Li-Ion battery and travel adapter.

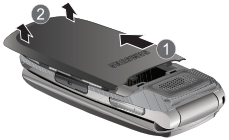
Important!: You must fully charge the battery the first time you use your phone, otherwise you could damage the battery. From fully discharged to fully charged, the battery requires up to 4 hours of charge time.

1. Insert the bottom end of the battery first, matching the gold contacts on the inside of the battery to those on the phone.

2. Press lightly on the top end of the battery down into the phone until it slips into place.
3. Place the battery cover over the battery (1) and slide the battery cover up into place (2).

Remove the Battery

1. Press and hold [ ] to turn off the phone (if on).
2. Press down on the battery cover (1), slide the cover toward the bottom end of the phone, then lift the cover (2) away from the phone.



3. Lift the battery up (1) and away (2) from the phone, top end first.

Turn Your Phone On

1. Open the flip on your phone, as shown.
2. Press [ ].

Note: As with any other radio-transmitting device, do not touch the antenna (behind the hinge) while using your phone as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

3. The phone begins searching for a network signal.
4. Once the phone finds a signal, the time, date, and day appear in the second line of the display.
5. You're now ready to place and receive calls.

Note: If you are outside of your carrier's coverage or roaming area, the No Service icon ( ) appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

Turn Your Phone Off

▶ Press and hold [ ] for two or more seconds. Your phone powers off.

Note: If your phone is on and you press [ ] for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

Setting Up Your Voicemail

Voicemail allows callers to leave voice messages, which can be retrieved any time.

Note: Once your Voicemail account has been set up, you can use the Voicemail folder (under the Message menu) to view details of voice messages in your Voicemail box.

1. In standby mode, press and hold [1] or dial your own mobile number to dial Voicemail.
2. Follow the prompts in the new user tutorial to setup your mail box.

Listen to Voicemail

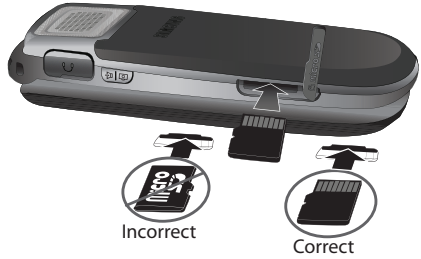
1. In standby mode, press and hold 1 or dial your own mobile number to dial Voicemail. (For more information, refer to *"Making a Call — Number Entry Dialing"* on page 21.) After connecting, you will hear your voice greeting.
2. You are prompted to enter your password.

Memory Card (Optional)

Your phone has a memory card slot in the battery cavity, above the battery. You can install a microSD™ card to provide additional memory for storing files (such as, sound files and photos) in your phone.

Install a Memory Card

1. Place or hold your phone with the rear of the phone facing up.
2. Open the microSD cover on the right hand side of the phone, as shown.
3. Make sure that the gold contacts of the card are face up, as shown, then carefully slide the memory card into the memory card slot until you feel it click into place.



4. Replace the microSD cover.

Remove a Memory Card

1. Place or hold your phone with the rear of the phone facing up.
2. Open the microSD cover on the right hand side of the phone.
3. Carefully press the memory card inward until you feel it release.

4. Slowly release your pressure on the card. It will slide outward a short distance.
5. Remove the memory card from the memory card slot.
6. If desired, install another memory card. (For more information, refer to *"Install a Memory Card"* on page 8.)
7. Replace the microSD cover.

Replacing the Front Folder Cover

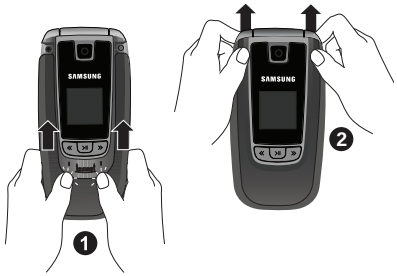
Your phone has a front folder cover that can be removed. You can install different colored front folder covers.

Remove Front Folder Cover

1. Hold your phone with your thumbs toward the bottom of the phone.
2. Gently press down while pushing away.
3. The front folder cover will come off of the phone.

Install Front Folder Cover

1. Place the front folder cover in position on top of the phone on the SLIDING line as shown below in **1**. Make sure that your hands are holding the bottom of the folder cover as shown.



2. Gently slide the front folder cover upwards along the SLIDING line, then press down on the top left and right sides as shown in **2**.
3. The front folder cover will lock into place.

Section 2: Understanding Your Phone

This section outlines some key features of your phone. It also describes the screen format and the icons that will be displayed when the phone is in use.

Features of Your Phone

- Domestic and international voice and text messaging service (available on participating networks).
- High speed data (CDMA 2000 1x, EVDO Technology)
- Bluetooth® Stereo Wireless Technology (see Note)
- Global Positioning (GPS) Technology
- Personal Information Management (PIM) Functions
- Picture (MMS) Messaging
- Text (SMS) Messaging
- E-mail Messaging
- Voice Dial
- Changeable faceplates
- MP3 with external key controls
- Optional removable microSD™ Memory Card slot

Note: The R600™ phone supports the wireless handsfree profile for Bluetooth® v2.0 wireless technology. The R600 does not support Bluetooth OBEX profiles.

Closed View of Your Phone

Features

1. **Volume Key** — Lets you adjust the ring volume in standby mode, adjust the voice volume during a call, or mute the ringer during an incoming call.

2. **Power / Accessory Connector** — Used to connect charging accessories or any available accessory cables to your phone.
3. **Camera Lens** — The lens of your built-in Camera-Camcorder.
4. **Front Display** — Indicates the status of your phone, including status icons, message indicators, signal strength, and so on.
5. **Media Player Keys** — With the phone closed, controls music file playback.
6. **Headset Connector** — Used to connect an optional wired headset or TTY device to your phone.
7. **Media Player Keys** — Launches the Camera-Camcorder feature of your phone and takes pictures or records videos, with the phone open or closed.
8. **Memory Card Slot** — Used to plug in an optional microSD™ memory card for additional multimedia file storage.

Open View (Front) of Your Phone

Features

1. **Main Display** — Indicates the status of your phone, including numbers dialed, feature and function screens, status icons, message indicators and contents, signal strength, and so on.

2. **Navigation Key** — In Menu mode, lets you scroll through the phone menu options. In Standby mode, lets you access preset functions and one user-defined function.
3. **Left Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom left corner of the Main LCD.
4. **Speakerphone Key** — Used to enable and disable Speakerphone mode.
5. **Talk Key** — Lets you place or receive a call. In standby mode, press the key once to access the recent call log.
6. **Voicemail Key** — Lets you speed dial your Voicemail account to review your voice messages.
7. **Special Function Keys** — Enter special characters. Perform various functions.
8. **Microphone** — Lets the other caller hear you clearly when you are speaking to them.
9. **Voice Recognition Key** — Used to launch VoiceSignal voice recognition system.
10. **Alpha-numeric Keys** — Use these keys to enter numbers, letters, and characters.
11. **BACK Key** — Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
12. **END Key** — Ends a call. If you press and hold the END key, the power goes On or Off. When you receive an incoming call, press to send the call to voicemail.
13. **Music Key** — Used to launch the Media Player.
14. **Right Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom right corner of the Main Display.
15. **MENU-OK Key** — Pressing when navigating through a menu accepts the highlighted choice in a menu.
16. **Earpiece / Speaker** — Lets you hear ringing and alert tones, alarm tones, and the other parties to calls.

Command Keys

Functions for the soft keys are defined by what appears above each in the display. There are two soft keys, Left ( ) and Right ( ).

Left Soft Key

Some functions of the Left soft key ( ) are as follows:

- In standby mode, press the **Settings** soft key ( ) to launch the **Settings** menu.
- When the Left soft key function is Edit, press the **Edit** soft key ( ) to edit a Contacts entry.

Right Soft Key

Some functions of the Right soft key ( ) are as follows:

- In standby mode, press the **Contacts** soft key ( ) to launch the **Contact** menu.
- When the Right soft key function is Options, press the **Options** soft key ( ) and a pop-up menu appears.
- When the Right soft key function is Back, press the **Back** soft key ( ) to back up one menu level.

MENU-OK Key

- In standby mode, press the **MENU-OK** key ( ) to launch the Main Menu.
- In a menu, press ( ) to accept the highlighted selection.
- In camera mode, press ( ) to take a photo or to create a Picture message.
- When the **MENU-OK** key function is Edit, press **Edit** ( ) to edit a Draft message.

Talk Key

The Talk key ( ) is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.

- Press once to answer calls.
- Enter a number and briefly press to make a call.
- Briefly press in standby mode to display a list of recent calls to and from your phone.
- Press twice in standby mode to call the most recent number.
- Press to pick up a waiting call. Press again to switch back to the other call.

BACK Key

The **BACK** key ( ) is used to erase or clear numbers, text, or symbols from the display. You can also use the key to return to a previous menu or to return to standby mode from any menu.

- If you enter an incorrect character, briefly press to backspace (and delete) the character.
- To erase the entire sentence, press and hold .
- To back up one menu level, briefly press .

END Key

- Press and hold the **END** key ( ) to turn your phone on or off.
- Briefly press once to disconnect a call.
- Press to return to standby mode from any menu, or to cancel the last input.

Navigation Key

Use the directional keys on the Navigation key ( ) to browse menus, sub-menus, and lists. Each directional key also acts as a shortcut to launch applications.

Volume Key

Use the Volume key ( ) on the left side of the phone to adjust ringer volume (in standby mode), to adjust voice call volume (during a call), and to browse menu items.

Camera-Camcorder Key

Use the Camera-Camcorder key on the right side of the phone to launch the Media Player (by pressing and releasing the key) or to

Media Player Keys

Use the Media Player keys ( ) on the outside of the phone to pause/resume music file playback and to change to playing the previous or next music file in a playlist.

Understanding the Display Screen

1. The top line of your phone's display contains icons that indicate network status, battery power, signal strength, connection type, and more.
2. The center portion of the display shows information such as call progress information, messages, and photos.
3. The bottom line of the display shows current soft key functions. The sample screen shows that pressing the Left soft key will display the **Settings** menu, pressing the **MENU-OK** key ( ) will display the Main Menu, and pressing the Right soft key will show the **Contacts** menu.

Display Screen Icons

Your R600 phone can show you definitions of the icons that appear on the top line of the display.

To access the Icon Glossary:

▶ In standby mode, press **Menu** (MENU OK), then select **Settings** → **Phone Info** → **Icon Glossary**. A list appears showing the icons that can appear on the top line of the displays.

Dialogue Boxes

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low battery. Dialogue boxes and their definitions are outlined below.

- Choice
  - **Example:** "Save Message?"
- Reconfirm
  - **Example:** "Erase All Messages?"
- Performing
  - **Example:** "Sending..." "Connecting..."
- Completed
  - **Example:** "Message Saved"
- Information
  - **Example:** "New Message"
- Error
  - **Example:** "System Error!"
- Warning
  - **Example:** "Low Battery," "Memory Full!"

Backlights

Backlights illuminate the display and the keypad. When you press any key or open the phone, the backlights come on. They go off when no keys are pressed within a period of time set in the Backlight menu.

Note: During a phone call, the display backlight dims and turns off after 10 seconds to conserve battery power, regardless of the Backlight setting.

(For more information, refer to *"Backlight"* on page 114.)

Your Phone's Modes

Call Answer Mode

You can choose to answer a call by pressing any key except or , by pressing only the key, or by opening the phone's flip. (For more information, refer to *"Call Answer"* on page 116.)

Input mode

Input mode determines how you enter text, numbers, and symbols. While at any text entry screen, press the Left soft key, then choose the input mode from the pop-up menu using the Navigation key. Optional input modes are **T9 Word**, **Abc**, **ABC**, **Symbols**, and **123**. (For more information, refer to *"Text Entry Modes"* on page 45.)

Tip: You can cycle between **T9 Word**, **Abc**, and **123** by repeatedly pressing and holding the * key until the phone beeps.

Lock Mode

When the phone is in Lock Mode, restrictions are placed on phone use. You can receive calls and messages, but cannot place outgoing calls (except for emergency numbers) until you unlock the phone. Lock Mode also restricts access to menus and the Volume key.

(For more information, refer to *"Change Lock Code"* on page 120.)

Note: The default lock code is the last four digits of your telephone number.

Standby Mode

Standby mode is the state of the phone once it has found service and is idle. The phone goes into standby mode:

- After you power the phone on.
- When you press the End key after a call or from within a menu.

In standby mode, you will see the time, day, and date as well as all phone status icons.

Place Calls in Standby Mode

1. In standby mode, enter a phone number, and press the Send key to place a call.
2. Press the End key to return to standby mode.

Receive Messages in Standby Mode

While your phone is in standby mode, new incoming messages automatically appear in the screen as they are received. Use the Navigation key to scroll through text or to view complete images.

Talk Mode

You can place and receive calls only when your phone is on. While in a call your phone is in talk mode. Press the **Options** soft key to display a list of menu options. (For more information, refer to *"The In-Use Options"* on page 19.)

Enter/Exit Silent Mode

Silences the ringers, the alerts, and the tones your keypad makes when you press a key.

To enter Silent Mode:

▶ In standby mode, repeatedly press the Volume key (+ -) Down until "**Ringer Off**" appears in the display, then press **SET** (MENU OK).

To exit Silent Mode:

▶ While in Silent mode and standby mode, repeatedly press the Volume key (+ -) Up until "**Ringer Off**" disappears from the display and the desired ringer value appears, then press **SET** (MENU OK).

Note: To quickly access Silent Mode, press and hold the (#)

Vibrate Mode

▶ In standby mode, repeatedly press the Volume key (+ -) down until "**Vibrate**" appears in the display, then press **SET** (MENU OK).

Note: The Volume key is on the left side of phone.

Adjust the Ringer

To adjust the Ringer volume, while in standby mode, press the Volume key up or down.

1. In standby mode, press the Volume key up or down to set the call ringer volume as desired.

   Options are:

   - **Vibrate**
   - **Low**
   - **Low/Medium**
   - **Medium**
   - **Medium/High**
   - **High**
   - **Vibrate/High**
   - **Ringer Off**

2. When you are satisfied with the setting, press **SET** (MENU OK). Your phone returns to standby mode.

Note: The Vibrate icon ( ) appears in the display when the phone is in **Vibrate** mode. The No Ring icon ( ) appears in the display when the phone is in **Ringer Off** mode.

Music Player Mode

The Music Player in your phone can play music files (MP3, CMX, Midi, AAC, AAC+, and eAAC+), but only if they are stored in the My Sounds folder on an optional microSD Memory Card.

Note: For more information, refer to *"Memory Card (Optional)"* on page 8.

- **Entering Music Player Mode:**

– In standby mode, press the Music key ( ) — on the keypad.

– or –

– In standby mode, press **Menu** ( ), then select **Multimedia** ➔ **Music Player**.

– or –

– With the flip closed, press and hold the Play/Pause key ( ).

Note: For more information, refer to *"Music Player"* on page 86.

Camera Mode

Camera mode lets you take pictures with your phone's camera. In Camera mode, you can also adjust the resolution and appearance of your pictures.

For more information, refer to *"Camera-Camcorder"* on page 68.

- **Entering Camera Mode:**
  - In standby mode, press and hold the Camera key ( ) — on the right side of the phone.
- **Exiting Camera Mode** — Press the key.

Camcorder Mode

Camcorder mode lets you record videos with your phone's camera. In Camcorder mode, you can also adjust the resolution and appearance of your videos.

For more information, refer to *"Camera-Camcorder"* on page 68.

- **Entering Camcorder Mode:**
  - In standby mode, press and hold the Camera key ( ) — on the right side of the phone. Press the **Options** soft key to access the camera or camcorder options. Highlight the camcorder option and press .
- **Exiting Camcorder Mode** — Press the key.

Video Player Mode

The Video Player in your phone can play video files but only if they are stored in the My Videos folder in the phone or on an optional microSD Memory Card. Supported video formats are MPEG4, H.263, and H.264 (Decoding: QCIF Only).

Note: For more information, refer to *"Memory Card (Optional)"* on page 8.

- **Entering Video Player Mode:**

1. In standby mode, press **Menu** ( ), then select **Multimedia** ➔ **My Videos**.

   – or –

   In camcorder mode, press the **Gallery** soft key.

   A 2-by-2 array of thumbnail images appears in the display.
2. Highlight the desired video and press the **Play** soft key. The Video Player screen appears in the display and begins playing the highlighted video.

Section 3: Menu Navigation

This section explains the menu navigation for your phone. It also includes an outline of the menus available with your phone.

Menu Navigation

Access menus using the **MENU-OK** key (MENU OK), the Navigation key (), the soft keys (), or a shortcut.

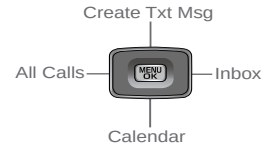
1. In standby mode, press **Menu** (MENU OK). The Main Menu appears in the display.
2. Use the Navigation key () to browse phone menus.
3. Press MENU OK to access a menu or sub-menu highlighted in the display.

Return to the Previous Menu

Press BACK or the **Back** soft key to return to the previous menu.

Navigation Key Shortcuts

In standby mode, press a navigation key (as illustrated below) to launch its corresponding application.



The In-Use Options

Access numerous menus and features even while in a call.

Note: If the call is disconnected while accessing the In-Use Option, the In-Use Option disappears from the display and the phone eventually returns to standby mode.

1. While in a call, press the **Options** soft key. The following menu items appear in the display:
   - **Contacts** — The Contacts **Find** screen appears in the display.
   - **Call History** — View, respond to, and manage your recent outgoing, incoming, and missed calls.
   - **Message** — The Messages menu appears in the display. (For more information, refer to *"Messaging"* on page 49.)

- **Connect Bluetooth** — Connects a Bluetooth device, such as a headset, in place of the phone's earpiece and microphone.

Do one of the following:

- Use the Navigation key to highlight a menu or feature. Press the MENU OK key to open the highlighted menu or to activate the highlighted feature.
- Press the BACK key to exit the menu.

Tip: You can block sound going to the other party(ies) on this call by pressing **Mute** / **Unmute**. This can reduce noise on conference calls.

You can launch Speakerphone mode to conduct this call hands-free by pressing **Options** Speakerphone.

Navigate Using Shortcuts

Using Menu Item Number Shortcuts

You can also access menus and sub-menus using menu item numbers. This method is often called a "shortcut." To shortcut to a menu or sub menu, press **Menu** (MENU OK), then enter the menu and/or sub menu number(s) for the feature in question.

1. In standby mode, press **Menu** (MENU OK). The main menu appears in the display.
2. Press the number of the menu, sub menu, and so on to arrive at the desired feature.

Example: Pressing **Menu** ➔ **9** ➔ **5** ➔ **2** takes you to your phone's **Language** setting.

Using Quick Search

You can also access menus, sub-menus, and menu items by name.

Note: For information on activation, see *"Quick Search"* on page 123.

1. In standby mode and using the alpha-numeric keys, enter the first few characters of the name to the desired menu, sub-menu, or menu item.
2. Press the Down navigation key. The **Menu List** screen appears in the display listing the menu(s), sub-menu(s), and menu item(s) with matching names.
3. Use the Up/Down navigation keys to highlight the desired name, then press **OK** (MENU OK) to access your selection.

This section explains how to make or answer a call. This section also includes the features and functionality associated with making or answering a call.

Making a Call — Number Entry Dialing

1. With the phone on, enter the number you wish to call using the keypad.
2. Press [ ] to place the call.

Dialing Emergency Numbers

When you call an Emergency Number, such as 911, your phone locks itself in emergency mode, only allowing you to make calls to the emergency call center you originally contacted. This enables emergency operators to more easily dispatch aid, such as police, fire fighting, and emergency medical personnel.

1. With the phone on, enter 911 using the keypad.
2. Press [ ] to place the call.

Important!: Emergency number 911 is preset into your phone. You can dial this number almost any time, even when the phone is locked or restricted.
If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Note: You can specify other numbers than 911 as emergency numbers using the **Emergency #** settings. (For more information, refer to *"Emergency #"* on page 120.)

Manual Pause Calling

When you call automated systems (like banking services), you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses.

- **P Pause** — A hard pause stops the calling sequence until you press [ ].
- **T Pause** — A four-second pause stops the calling sequence for four seconds and then automatically sends the remaining digits.

To manually call a number with pause(s) without storing it to your Contacts:

1. Enter the number you wish to call.
2. Press the **Options** soft key.

   A pop-up menu containing the following options appears in the display:

   - **P Pause** — a hard pause (awaits input from you).
   - **T Pause** — a four-second pause.

Tip: You can create pauses longer than four seconds by entering multiple T Pauses.

3. Use the navigation keys to highlight the desired pause option.
4. Press MENU OK to enter the highlighted pause into your number sequence.
5. Press the call key to call the number.

Making a Call — Speed Dialing

You can store phone numbers and contact names in your phone's Contacts list. Speed Dialing lets you quickly and easily dial any contact in your Contacts list by using that contact's location number in the list. You can assign and change location (speed dial) numbers for your contacts. (For more information, refer to *"Assigning Speed Dial Numbers"* on page 40.)

One-Touch Dialing

Speed Dial numbers 002 through 009 are special One-Touch dialing numbers. You can call the phone numbers stored in your phone's Contacts list and assigned Speed Dial numbers 002 through 009 by pressing and holding a single key.

Example: For Speed Dial number 003, press and hold 3 DEF until the name and number appear in the display and the number is dialed.

Two-Touch Dialing

Memory locations 010 through 099 are special Two-Touch dialing locations.

Example: For Speed Dial number 013, briefly press 1 , then press and hold 3 DEF until the name and number appear in the display and the number is dialed.

Three-Touch Dialing

Memory locations 100 through 999 are special Three-Touch dialing locations.

Example: For Speed Dial number 113, briefly press 1 , briefly press 1 again, then press and hold 3 DEF until the name and number appear in the display and the number is dialed.

Pause Dialing From a Contacts Entry

- If you speed dial a contact that contains four-second (T) pause(s) simply wait for the pauses to pass and the dialing to complete.
- If you speed dial a contact that contains hard (P) pauses, wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and press [ ] to continue your dialing sequence.

Note: For more information about dialing pauses, refer to *"Manual Pause Calling"* on page 21.

Making a Call — Quick Search Dialing

Use the **Quick Search** feature to dial any number stored in your Contacts list by pressing the number keys that correspond to the first few letters of a Contact name.

Note: For information on activation, see *"Quick Search"* on page 123.

Quick Search Dialing a Contact

To find and dial a Contact, do the following:

1. In standby mode, press the number keys that correspond to the first few letters of the Contact name, as shown.
2. Press the Up navigation key. The Contact list **Find** screen appears showing the desired Contact name.
3. Highlight the desired Contact name, then press [ ] to call the number.

Making a Call — Voice Dialing

Your mobile phone includes state-of-the-art voice recognition software that lets you dial numbers using your voice.

Using Voice Dial

Use the **Voice Dial** command to dial any number stored in your Contacts list by saying the name of the contact (Name Dialing). You can also use Voice Dial to dial any valid telephone number, even numbers not stored in your contact list, by speaking the individual digits in the number (Digit Dialing).

Voice Dialing Tips:

- Wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking to someone on the phone.
- When saying a name, say the first name then the last name.

Dialing a Name

To dial a name, do the following:

1. In standby mode, press and hold [ ].

   "**Say a Command**" appears in the display and is pronounced through the earpiece.

2. Say, "**Call**". You are prompted to "**Say the name or #**".
3. Speak clearly and say the name of a person in your Contacts list, first name followed by last name.

   If the name is recognized, Voice Dial repeats the name and dials the number.

   If Voice Dial is not sure which name you said, it displays a choice list of up to three names and prompts you with "**Did you say?**" followed by the first name on the list.
4. Say "**Yes**" to confirm the name or "**No**" to hear the next name, or use the keypad to select the correct name from the list. (For more information, refer to *"Choice Lists"* on page 107.)
   - Press the **Repeat** soft key to say the name again.
   - Press [BACK] to exit Voice Dial without dialing.

   If the recognized name has multiple numbers stored for it (that is, Home, Work, Mobile, and so on), Voice Dial displays the possible choices and prompts you with "**Which number?**"
5. Say one of the following number types:
   - "**Home**"
   - "**Work**"
   - "**Mobile**"

   Voice Dial dials the specified number.

Dialing a Number

To dial a number using Voice Dial, do the following:

1. In standby mode, press and hold [VOICE].

   "**Say a Command**" appears in the display and is pronounced through the speaker.
2. Say "**Call**". VoiceSignal prompts you to "**Say the name or #**".
3. Speak clearly and say the telephone number of the person you want to call. *For example, say "7 8 1 9 7 0 5 2 0 0."*

   If it recognizes the number, Voice Dial repeats and dials the number. If Voice Dial is not sure it has recognized the number, it displays a choice list of up to three numbers and prompts you with "**Did you say?**" followed by the first number on the list.

4. Say "**Yes**" to confirm the number or "**No**" to hear the next one, or use the keypad to select the correct number from the list.

   (For more information, refer to *"Choice Lists"* on page 107.)

   - Press the **Repeat** soft key to say the name again.
   - Press BACK to exit Voice Dial without dialing.

Pause Dialing From a Contacts Entry

- If you voice dial a contact that contains (hard waits) P Pauses(s), wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and enter the appropriate response(s).
- If you voice dial a contact that contains (four-second) T Pause(s) simply wait for the pauses to pass and the dialing to complete.

Answering a Call

Your phone notifies you of a call in the following ways:

- A ring tone sounds and/or your phone vibrates (Your phone provides eight ring volume settings including: **Ringer Off**, **Vibrate**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, **High**, and **Vibration/High**.)
- A phone number (unless blocked by the caller) and a name appear in the display (If the caller's number and name are stored in your Contacts list).
- If the caller can't be identified, **Call from unavailable#**, **Call from restricted number**, or no number appears in the display.
- Your phone continues to notify you of the call until one of the following events occurs:
- You answer the call.
- You ignore the call.
- The calling party ends the call.
- The call is sent to voicemail.

Answering an Incoming Call

▶ Press the key. The ring tone and/or vibration stop and the caller's voice can be heard in the earpiece.

Tip: You can set your phone to answer calls automatically or when you press any key but . (For more information, refer to *"Call Settings"* on page 116.)

Ignoring a Call

When you ignore an incoming call, the call is immediately forwarded to your voice mail.

▶ During an incoming call, press the **Ignore** soft key. The caller is forwarded to your voice mail.

Adjusting the Call Volume

In standby mode, repeatedly press the volume key ( ) down until the Call Volume Level desired appears in the display. The volume key is on the left side of phone.

Calls Log

The Calls log retains information about Outgoing, Incoming, and Missed calls. You can also view times for your last call and the time totals for all calls.

Review the Calls Log

1. In standby mode, press **Menu**, then select **Calls**. The following Calls log options appear in the display:
   - **Outgoing Calls**
   - **Incoming Calls**
   - **Missed Calls**
   - **All Calls**
   - **Data Calls**
   - **Call Timer**
   - **Data Counter**
2. Select the Calls log that you wish to review or the function you wish to access.

Note: In cases where a Calls log entry concerns a call to or from a Contacts entry, the Contact name associated with the number appears in the Calls log list instead of the number.

Outgoing Calls

Your phone retains information about the last 90 outgoing calls and stores them in the Outgoing calls log. You can review the Outgoing calls log for the time and date of a call, as well as other information.

Note: In standby mode, you can quickly view your most recent calls of all types by briefly pressing . A list containing up to 270 of your most recent outgoing, incoming, and missed calls appears in the display.

1. In standby mode, press **Menu**, then select **Calls** → **Outgoing Calls**. A list of your outgoing calls appears in the display.
2. Select a call to view further information about it.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
   - **Save** — Save the number to your Contacts. The following Save options are available:
     - **Create New** — Save as a new contact.
     - **Update Existing** — Update an existing contact.

- **Details** — View details of the call. This option only displays if the call is from a saved number.
- **Erase** — Erase the selected call from your Outgoing call log.
- **Lock/Unlock** — Protect the selected call from being erased.
- **Erase All** — Erase all calls from your Outgoing call log.
- **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, and Lifetime Calls.

4. Press the **Msg** soft key. The following options appear in the display:
   - **Text Message** — Lets you send a text message to the selected number called.
   - **Picture Message** — Lets you send a picture message to the selected number called.
   - **Video Message** — Lets you send a video message to the selected number called.

Note: For more information, refer to *"Creating and Sending New Messages"* on page 49.

5. Select an option to perform its function.

Incoming Calls

Your phone retains information about the last 90 Incoming calls and stores them in the Incoming call log. You can review the Incoming call log for the time and date of the call, as well as other information.

1. In standby mode, press **Menu**, then select **Calls** ➔ **Incoming Calls**. A list of your Incoming calls appears in the display.
2. Select a call to view further information about it.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
   - **Save** — Save the number to your Contacts. The following Save options are available:
     - **Create New** — Save as a new contact.
     - **Update Existing** — Update an existing contact.
   - **Details** — View details of the call. This option only displays if the call is from a saved number.
   - **Erase** — Erase the selected call from your Incoming calls log.
   - **Lock/Unlock** — Protect the selected call from being erased.
   - **Erase All** — Erase all calls from your Incoming calls log.

- **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, Lifetime Calls.

4. Press the **Msg** soft key. The following options appear in the display:
   - **Text Message** — Lets you send a text message to the selected calling number.
   - **Picture Message** — Lets you send a picture message to the selected calling number.
   - **Video Message** — Lets you send a video message to the selected number called.

Note: For more information, refer to *"Creating and Sending New Messages"* on page 49.

5. Select an option to perform its function.

Missed Calls

Your phone retains information about the last 90 missed calls (calls that were never picked up) and stores them in the Missed call log. You can review the Missed call log for the time and date of the call, as well as other information.

1. In standby mode, press **Menu**, then select **Calls** ➔ **Missed Calls**. A list of your missed calls appears in the display.
2. Select a call to view further information about it.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
   - **Save** — Save the number to your Contacts. The following Save options are available:
     - **Create New** — Save as a new contact.
     - **Update Existing** — Update an existing contact.
   - **Details** — View details of the call. This option only displays if the call is from a saved number.
   - **Erase** — Erase the selected call from your Missed call log.
   - **Lock/Unlock** — Protect the selected call from being erased.
   - **Erase All** — Erase all calls from your Missed call log.
   - **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, and Lifetime Calls.
4. Press the **Msg** soft key. The following options appear in the display:
   - **Text Message** — Lets you send a text message to the selected called number.
   - **Picture Message** — Lets you send a picture message to the selected called number.

- **Video Message** — Lets you send a video message to the selected number called.

Note: For more information, refer to *"Creating and Sending New Messages"* on page 49.

5. Select an option to perform its function.

All Calls

You can review all of the calls log entries (outgoing, incoming, and missed calls) for the time and date of a call, as well as other information.

1. In standby mode, press **Menu**, then select **Calls** ➔ **All Calls**. A list of all logged calls appears in the display.
2. Select a call to view further information about it.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
   - **Save** — Save the number to your Contacts. The following Save options are available:
     - **Create New** — Save as a new contact.
     - **Update Existing** — Update an existing contact.
   - **Details** — View details of the call. This option only displays if the call is from a saved number.
   - **Erase** — Erase the selected call from your Calls log.
   - **Lock/Unlock** — Protect the selected call from being erased.
   - **Erase All** — Erase all calls from your Calls log.
   - **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, All Calls, Outgoing Calls, Incoming Calls, Roaming Calls, Lifetime Calls.
4. Press the **Msg** soft key. The following options appear in the display:
   - **Text Message** — Lets you send a text message to the selected calling/called number.
   - **Picture Message** — Lets you send a picture message to the selected calling/called number.
   - **Video Message** — Lets you send a video message to the selected number called.

Note: For more information, refer to *"Creating and Sending New Messages"* on page 49.

5. Select an option to perform its function.

Data Call

Your phone retains information about the last 90 data calls and stores them in the Data call log. You can review the Data call log for the time, date, and duration of a data call, as well as other information.

1. In standby mode, press **Menu**, then select **Calls** ➔ **Data Calls**. A list of your data calls appears in the display.
2. Select a call to view further information about it.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
   - **Erase** — Erase the selected data call from your Data Call log.
   - **Lock** / **Unlock** — Protect the selected data call from being erased.
   - **Erase All** — Erase all calls from your Outgoing call log.
   - **Data Counter** — Shows the total data Transmitted during the call, Received during the call, Total data transmitted and received during the call, the date and time the Data Counters were last reset, and the Lifetime Data Counter.
4. Select an option to perform its function.

Call Timer

View the duration of your last call, total calls, and calls made during the life cycle of you phone using the Call Timer feature.

Note: Call Timer is not for billing purposes.

1. In standby mode, press **Menu**, then select **Calls** ➔ **Call Timer**.

   The following options appear in the display:
   - **Last Call** — View the duration of your last call.
   - **Outgoing Calls** — View the duration of the total outgoing calls made on your phone since the last erasure.
   - **Incoming Calls** — View the duration of the total incoming calls received on your phone since the last erasure.
   - **Roaming Calls** — View the total calls duration on your phone while roaming since the last erasure.
   - **All Calls** — View the duration of the total call, incoming, outgoing, and data calls made on your phone since the last erasure.
   - **Last Reset** — View the time and date all timers were last reset.
   - **Lifetime Calls** — View the duration of all calls since your phone was activated.
2. Press the **Reset** soft key to reset a selected counter except Last Reset and Lifetime Calls.

3. Press the **Reset All** soft key to reset all counters except Lifetime Calls.
4. Press MENU OK or BACK if you wish to exit the list.

Note: Although Total call timers can be erased, the Lifetime call timer can never be erased.

Data Counter

View the amount of Transmit data, Receive data, and Total data transmitted or received since the last time you reset the data counters, and the Lifetime amount of data transmitted or received.

Note: Data Counter is not for billing purposes.

1. In standby mode, press **Menu** ➔ **Calls** ➔ **Data Counter**. The following options appear in the display:
   - **Transmitted** — View the total amount of data transmitted by your phone since the last reset.
   - **Received** — View the total amount of data received by your phone since the last reset.
   - **Total** — View the total amount of data sent or received by your phone since the last reset.
   - **Last Reset** — View the time and date all timers were last reset.
   - **Lifetime Data Counter** — View the total amount of data sent or received by your phone since activation (Lifetime Data Counter cannot be reset).
2. Press the **Reset** soft key to reset a selected counter except Last Reset and Lifetime Data Counter.
3. Press the **Reset All** soft key to reset all counters except Lifetime Data Counter.
4. Press MENU OK or BACK if you wish to exit the list.

Note: Although Total data counters can be erased, the Lifetime Data Counter can never be erased.

Roaming

What is Roaming?

Roaming lets you use your phone when you travel outside of your Wireless Carrier's coverage area. The Roaming icon (R) appears in the top line of the display when Roaming is active, and extra charges may apply when making or receiving calls.

Note: Some features may be unavailable while roaming. Roaming also consumes additional power from the battery requiring more frequent recharging. Contact your Wireless Carrier for more information about Roaming.

How Roaming Works

Roam Option lets you set roaming preferences if you move in and out of your home network. The following roaming options are available:

- **Home only** — Your phone is available for normal operation only in the designated coverage area.
- **Automatic** — Your Wireless Carrier's Preferred Roaming List (PRL) of networks is used to acquire service. If no preferred networks are found, any digital "A" system is acquired.

Note: For more information, refer to *"System Select"* on page 122.

This section explains how to manage your daily contacts by storing their name and number in your Contacts. Contacts entries can be sorted by name.

Your Contacts List

Your Contacts list can store up to 500 entries, with each contact having up to five associated phone numbers, two e-mail addresses, and a picture ID.

Each phone number can be up to 48 digits in length, including hard pauses. Contact names can be up to 32 characters in length. You can also specify a memory location for each entry, and you can restrict access to the Contacts list to prevent unauthorized use.

Tip: One-Touch, Two-Touch, and Three-Touch Dialing allow you to call numbers stored in your Contacts list faster. (See page 22.)

Open Your Contacts List

1. In standby mode, press **Menu** (MENU OK) and select **Contacts**. The following Contacts sub-menus and options appear in the display:
   - **Find** — Find a phone number by entering a Contact name.
   - **Add New Contact** — Add a number or e-mail to your Contacts.
   - **Speed Dial** — Assign speed dial numbers to your Contacts.
   - **Group** — Rename one of your five Contacts groups.
   - **Memory Info** — View available memory for dial entries.
2. Select the Contacts sub-menu or option of your choice.

Tip: You can also access a sub-menu or menu option by pressing the number key corresponds to the menu item number. For example, press 2 abc for **Add New Contact**.

Adding a New Contacts Entry

You can add an entirely new entry to your Contacts list or add information to an existing entry.

Using the Contacts Add Option

1. In standby mode, press **Menu** (MENU OK) and select **Contacts** → **Add New Contact**. The **New Contact** screen appears in the display with the **Name** field highlighted.
2. Enter a name or phrase to associate with the type using the keypad. (For more information, refer to *"Entering Text"* on page 45.)

3. Use the Up and Down navigation keys to highlight each field.
4. Enter a phone number (**Mobile**, **Home**, or **Work**) or an e-mail address (**E-mail**) for the new Contacts entry.
5. If desired, assign the new Contact to a **Group**. This lets you send messages to and find this Contact and other related contacts. (For more information, refer to *"Group"* on page 38.)
6. If desired, enter an additional phone number (**Fax**) or e-mail address (**Email 2**) for the new Contacts entry.
7. If desired, select an identifying image by highlighting the photo ID field and pressing the **Set** soft key. The **My Images** screen appears in the display. (For more information, refer to *"My Images"* on page 83.) Select an image and press **OK** (MENU OK).
8. Press **SAVE** (MENU OK) to save the new Contacts entry.

Saving a Number from a Call

Once you've finished a call, you can save the number of the caller to your Contacts list.

Note: If the call was incoming and Caller ID information was unavailable, then the **Save** option is also unavailable.

1. After you press the end key to end your call, the call time, length of call, phone number, and name of the other party (if available) appear in the display.
2. Press the **Save** soft key. The **Save** screen appears in the display showing the following options:
   - **Create New** — Lets you create a new Contacts entry.
   - **Update Existing** — Lets you add the number or e-mail address you just entered to an existing Contacts entry.

Tip: You can also store a phone number from standby mode by entering the number, and pressing the **Save** soft key.

Creating a new Contacts entry:

3. Select **Create New**. The following (number type) icons appear in the display:

4. Select the number type that matches your new entry. The **New Contact** screen appears in the display with the number being save populating the selected number type field. (For more information on creating a new Contacts entry, see *"Using the Contacts Add Option"* on page 33.)

Adding the number to an existing Contacts entry:

5. Use the navigation keys to highlight **Update Existing**, then press (MENU OK). The **Update Existing** screen appears in the display showing your current Contacts list.
6. Enter the first few characters of the Contacts entry name under which you will store the saved number. (For more information on finding a Contacts entry, see *"Using the Contacts Add Option"* on page 33.)
7. Select the desired Contacts entry. The following (number type) icons appear in the **Update Existing** screen:

8. Select the appropriate unassigned number type. The **Edit Contact** screen appears in the display.
9. Make any added changes you wish to the Contacts entry. (For more information, refer to *"Editing an Existing Contact Entry"* on page 39.)
10. Press **SAVE** ((MENU OK)) to save the entry.

Storing Number from a Calls Log

You can store numbers from the Calls logs to your Contacts.

1. In standby mode, press **Menu** ((MENU OK)), then select **Calls**.
2. Select from the following Calls logs:
   - **Outgoing Calls**
   - **Incoming Calls**
   - **Missed Calls**

- **All Calls**

A list of your calls appears in the display.

3. Highlight the number you wish to store in **Contacts**.
4. Press the **Options** soft key. The following options appear in the display:
   - **Save** — Saves the selected number to your Contacts list.
   - **Details** — View details of the call. This option only displays if the call is from a saved number.
   - **Erase** — Deletes the selected number from the selected Calls log.
   - **Lock / Unlock** — Prevents/allows deletion of the selected number.
   - **Erase All** — Deletes all numbers from the selected Calls log.
   - **View Timer** — Shows the call times for the Last Call, All Calls, Incoming Calls, Outgoing Calls, Roaming Calls, Last Reset, and Lifetime Calls timers for the selected Calls log.
5. Select **Save**. The following options appear in the display:
   - **Create New** — Lets you create a new Contacts entry.
   - **Update Existing** — Lets you add the number or e-mail address you just entered to an existing Contacts entry.

For more information on saving the number, see *"Saving a Number from a Call"* on page 34.

Finding a Contacts Entry

Voice Method

Use the VoiceSignal **Contacts** command to view contact information for any named contact stored in your Contacts list by saying the name.

Note: The **Contacts** command shows the requested contact information in the display but does not dial any phone numbers for the contact.

To look up information for a specific contact:

1. In standby mode, press and hold [ ] for **Voice Service**.

   "**Say a Command**" appears in the display and is pronounced through the speaker.

2. Say "**Lookup**".

   VoiceSignal prompts you to "**Say the name or #**."

3. Speak clearly and say the full name of the person you want to call, exactly as it is entered in your contact list.
   - If VoiceSignal recognizes the name you said, the contact information for that name appears in the display.
   - If VoiceSignal does not recognize the name you said, a choice list of up to three names appears in the display, and VoiceSignal prompts you with "**Did you say?**" followed by the first name on the list.

4. Say "**Yes**" to confirm the name or "**No**" to hear the next name, or use the keypad to select the correct name from the list. (For more information, refer to *"Choice Lists"* on page 107.)
   - To say the name again, press the **Repeat** soft key.
   - To exit VoiceSignal without dialing, press [BACK].
5. The contact information for the name you selected appears in the display.

Keypad Methods

Find by Name

If you have stored a named contact in your Contacts list, Find lets you locate the entry quickly.

1. In standby mode, do one of the following:
   - Press the Down navigation key (Contacts Find shortcut).
   - Press **Menu** ([MENU OK]) and select **Contacts** ➔ **Find**.

   The **FIND** screen appears in the display with an alphabetical list of Contacts showing.
2. Enter the first few characters of the name of the contact as it appears in your Contacts list.

Example: If you saved a contact name as "Amy Smith", begin your search for that contact by pressing [2 ABC] for "A".

Note: As you enter letters, the entry names of the closest matches (thus far) appear in the display.

3. When the desired Contacts entry is listed in the display, highlight the contact using the navigation keys (if necessary). Then, do one of the following
   - To dial the number associated with the named Contact, press [SEND].
   - To change the information about the contact, press the **Edit** soft key.
   - To show information about the contact, press **VIEW** ([MENU OK]).
   - To access other options, press the **Options** soft key. The following options appear in the display:
     - **New Contact** — Lets you add a new number to your Contacts list or to the selected contact.
     - **Erase** — Lets you delete the highlighted contact.
     - **Send Message** — Lets you send a text or picture message to the selected contact.
     - **Call** — Lets you place a call to the highlighted contact.
     - **Send Name Card With Bluetooth** — Lets you send a Name Card containing the selected Contact's information to another Bluetooth device.

– **Set as/Remove Speed Dial** — Lets you assign a speed dial number to a contact. You can select the number by either entering it in the **Go To** box or by using the Navigation key, then press (MENU OK) to set the number.

Group

This option lets you find a Contacts list entry with a specific Group name.

1. In standby mode, press **Menu** ((MENU OK)) and select **Contacts** → **Group**. The **Group List** screen appears in the display.
2. Select the group you wish to browse. The selected Group list appears in the display.
3. Highlight the desired Contacts entry, then do one of the following:
   - To delete the selected contact from the Group, press the **Remove** soft key. (Does not apply to the General group.)
   - To **ADD** an existing contact entry to the selected Group, press (MENU OK). (Does not apply to the General group.)
   - To send a text or picture message to selected Contact(s) in the current Group, Press the **Options** soft key.
4. Select the desired option to enter that option's sub-menu.

Search by Number

This option lets you find a Contacts list entry by one of its phone numbers.

1. In standby mode, enter the first few numbers of the Contacts list entry you wish to find (such as the area code or area code and exchange — for example, 888-987).
2. Press the **Options** soft key. The following menu options appear in the display:
   - **Search** — Lets you find Contacts list entries by their phone numbers.
   - **P pause** — Adds a hard pause (awaits input from you).
   - **T pause** — Adds a four-second pause.
   - **Send Message** — Lets you send a text or picture message to the entered number.
3. Select the **Search** option. The **FIND** screen appears in the display listing all phone numbers in your Contacts list that contain the entered digits.
4. Highlight the desired Contacts entry. Then do one of the following:
   - To dial the highlighted number, press (SEND).
   - To display information about the Contacts entry associated with the highlighted number, press **OK** ((MENU OK)). From the **View Contact** screen, you can erase or edit the selected Contacts entry.

Editing an Existing Contact Entry

Once stored in the Contacts, an entry can be changed quite easily.

1. Find the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Press the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight a number stored in this contact entry.
4. To backspace and delete numbers, press BACK.
5. To clear all numbers in the highlighted field, press and hold BACK.

Note: You can also add numbers (such as a Fax number) to the entry, assign it to a Group, and add other information.

6. When you're finished editing the entry, press MENU OK. Your changes are saved and a confirmation message appears in the display.

Adding Pauses to Contacts Numbers

When you call automated systems (like banking services), you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses.

- **P pause** — A hard pause stops the calling sequence until further input from you.
- **T pause** — A four-second pause stops the calling sequence for two seconds and then automatically sends the remaining digits.

Tip: You can enter multiple four-second pauses to extend the length of a pause. For example, two consecutive four-second pauses cause a total pause time of eight seconds.

Note: Keep in mind that pauses count as digits towards the 32-digit maximum.

Store Pauses in a New Contacts Entry

1. In standby mode, enter the number you wish to store (such as your bank's teleservice number).
2. Press the **Options** soft key.

   The following menu options appear in the display:

- **Search** — Lets you find Contacts list entries by their phone numbers.
- **P pause** — Adds a hard pause (awaits input from you).
- **T pause** — Adds a four-second pause.
- **Send Message** — Lets you send a text or picture message to the entered number.

3. Select the pause option of your choice to enter the highlighted pause into your number sequence.
4. When you're finished entering the number and pauses, press the **Save** soft key to store the number in your **Contacts**.

Add Pauses to an Existing Contacts Entry

1. Find the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Press the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight a number stored in this contact entry.
4. Use the Left and Right navigation keys to place the cursor where you want to add a pause (usually at the right-hand end of the number).
5. Press the **Options** soft key. The following menu options appear in the display:
   - **Set Speed Dial** / **Remove speed dial** — lets you assign or remove a Speed Dial number for this Contacts entry.
   - **Set as default** — your phone automatically dials this number when you find this Contacts entry and press the [↩] key.
   - **T pause** — a four-second pause.
   - **P pause** — a hard pause (awaits input from you).
6. Select the pause option of your choice to enter the highlighted pause into your number sequence.
7. When you're finished entering pauses, press [MENU OK] to save your changes to the number in your Contacts list.

Assigning Speed Dial Numbers

When you add or edit an entry to the Contacts list, you have the option of assigning a Speed Dial number using the Options pop-up menu or of returning to the Contacts menu and using the Speed Dial option. You can also change a contact's Speed Dial number.

1. Find and highlight the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)

2. Do one of the following:

Using the Options soft key:

3. Press the **Options** soft key. The following menu options appear in the display:
   - **New Contact** — Lets you add a new number to your Contacts list or to the selected contact.
   - **Erase** — Lets you delete the highlighted contact.
   - **Send Message** — Lets you send a text or picture message to the selected contact.
   - **Call** — Lets you place a call to the highlighted contact.
   - **Send Name Card With Bluetooth** — Lets you send a Name Card containing the selected Contact's information to another Bluetooth device.
   - **Set as Speed Dial** — Lets you assign a speed dial number to a contact. You can select the number by either entering it into the Go To box or using the navigation keys, then press MENU OK to set the number.
4. Select **Set as Speed Dial**. The **Speed Dial** menu appears in the display.
5. Select an unassigned Speed Dial number to assign it to the selected Contact. You are prompted to confirm the assignment.
6. Press the **Yes** soft key to assign the selected Speed Dial number.

Using the Edit soft key:

7. Press the **Edit** soft key. The **Edit Contact** screen appears in the display with the Contact name highlighted.
8. Highlight a number stored in this Contact entry.

Note: If a Contact has more than one stored number (such as **Home** and **Office**), you can select which of these numbers your phone will dial when you speed dial that Contact.

---

9. Press the **Options** soft key. The following menu options appear in the display:
   - **Set Speed Dial** / **Remove speed dial** — lets you assign or remove a Speed Dial number for this Contacts entry.
   - **Set as default** — your phone automatically dials this number when you Find this Contacts entry and press ⌐.
   - **P pause** — a hard pause (awaits input from you).
   - **T pause** — a four-second pause.
10. Select **Set as/Remove Speed Dial**. The **Speed Dials** screen appears in the display. (If a speed dial number has been set previously, you can remove it by pressing MENU OK. If none has been set, continue with the next step.)

11. Select an unassigned Speed Dial number to assign it to the selected Contact. You are prompted to confirm the assignment.
12. Press the **Yes** soft key to assign the selected Speed Dial number. The **Edit Contact** screen appears in the display.
13. Press MENU OK to save the new Speed Dial number assignment.

Add a Number or Email Address to an Existing Entry

1. Find the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Press the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight a number field or the **Email** field in this Contacts entry.
4. Enter the phone number or e-mail address for the new Contacts entry.
5. Press MENU OK to add the number or Email address to the existing entry.

Edit an Existing Email Address

1. Find the desired entry in the **Contacts** list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Press the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight the **E-mail** or **Email 2** field (labeled with the @ symbol).
4. Use the keypad to edit the e-mail address. (For more information, refer to *"Entering Text"* on page 45.)
   - To insert the @ symbol, do the following:
     - Press the Left soft key. A pop-up menu appears in the display with **Abc** highlighted.
     - Highlight **Shortcuts**, then press MENU OK.
     - Highlight the @ symbol, and press MENU OK.
     - Enter the remainder of the Email address using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
   - To add the domain type to the end of the Email address, do the following:
     - Press the Left soft key. A pop-up menu appears in the display with **Abc** highlighted.
     - Highlight **Shortcuts**, then press MENU OK.

– Select the desired domain type (such as, .com, .net, or .edu) to add to the Email address.

5. Press [MENU OK] to save your changes.

Speed Dial Numbers

You can assign and change Speed Dial numbers for Contacts entries.

1. In standby mode, press **Menu** ([MENU OK]) and select **Contacts** ➔ **Speed Dial**. The **Speed Dial** list appears in the display.

Tip: You can also assign a Speed Dial number when creating or editing a Contacts entry. For more information, refer to *"Assigning Speed Dial Numbers"* on page 40.

2. Highlight a Speed Dial number.
3. Press **SET** ([MENU OK]). The **Set Speed Dial** screen appears in the display.
4. Enter or highlight a Contact entry, then press [MENU OK]. You are prompted to confirm the new Speed Dial setting.
5. To save the new setting, press the **Yes** soft key. To discard the new setting, press the **No** soft key.

Renaming a Contacts Group

Use this option to rename a Group in your Contacts list.

1. In standby mode, press **Menu** ([MENU OK]) and select **Contacts** ➔ **Group**. A list of Group names (like the following list) appears in the display:
   - **General**
   - **Family**
   - **Friends**
   - **Colleagues**
   - **Business**
2. Highlight the Group (other than **General**) that you wish to rename, then press the **Options** soft key and select **Rename**.
3. The **Rename Group** screen appears in the display. The current name of the selected Group shows with a flashing cursor at the end of the name.
4. Enter a new Group name using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
5. Press [MENU OK] to save the changed group name.

Deleting a Contacts Entry

1. Find and highlight the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Press the **Options** soft key and select **Erase**. The phone prompts you to confirm the erasure.
3. To erase the selected Contact entry, press the **Yes** soft key. To keep the selected Contact entry, press the **No** soft key.

Sending a Contacts Entry

Use the Send Name Card With Bluetooth option to send one or more selected Contacts entries to another, compatible phone or other device over a Bluetooth connection.

1. Find and highlight the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Press the **Options** soft key, then select **Send Name Card With Bluetooth**. The **Send Via Bluetooth** screen appears in the display with the highlighted Contacts entry marked.
3. Highlight another Contacts entry you wish to send and press **MARK** (MENU OK) to mark the entry for sending. Repeat this step for all other Contacts entries you wish to send.
4. When you have marked all the entries you wish to send, press the **Done** soft key. The Choose device screen appears in the display.
5. Use the Up and Down navigation keys to highlight the name of the receiving device, then press MENU OK. Your phone automatically connects with the other device and sends the selected Contact entries.

Note: For information on turning off the Bluetooth connection, see *"Bluetooth"* on page 92.

Memory Info

Use the Memory sub-menu to view the amount of Contacts entries you have stored, as well as the remaining memory.

▶ In standby mode, press **Menu** (MENU OK) and select **Contacts** → **Memory Info**. The amounts of memory used and remaining for Contacts entries appear in the display.

This section outlines how to select the desired text input mode when entering characters into your phone. This section also describes how to use the T9 predictive text entry system to reduce the amount of key strokes associated with entering text.

Text Entry Modes

You can compose text messages using alphabetical characters, symbols, and numbers. Each method of character entry (symbol, number, and so on) is called a text entry mode. There are four text entry modes, as indicated:

- **Alpha**—Alphabetical text entry mode. Options are:
  - **ABC** — All upper case
  - **Abc** — Initial capital
  - **abc** — All lower case
- **Symbols** — Symbol entry mode. Enter symbols into your message by pressing the corresponding number that appears above it in the display.
- **123** — Number entry. Enter numbers by pressing the corresponding key on the keypad.
- **T9 Word** — Predictive text mode. Press each key only once to enter the letter of the word that you're spelling.

Your current mode of text entry [**Abc**, **123**, or **T9 Word**] is indicated in the lower left part of the display when composing a text message.

Changing the Text Entry Mode

1. While composing a text message, press the Left soft key.

   The following options pop-up in the display:

   - **T9 Word**
   - **Abc**
   - **ABC**
   - **123**
   - **Symbols**
   - **Add T9 Word**

   Abc is highlighted. Select any of the other four text entry modes. Uses of the text entry modes are explained in greater detail in *"Messaging"* on page 49.

Entering Text in Alpha (Abc) Mode

1. Enter characters while in **Alpha** (Abc) mode by pressing the key with the desired characters (such as, pressing 4 GHI once for "G").
2. Press the key repeatedly until the desired character appears in the display (such as, pressing 4 GHI two times for "H").
3. Pause briefly and the displayed character is accepted and inserted into your message.
4. Press # to enter a space.

Entering Text in T9 Word Mode

T9 Word recognizes commonly used words for a sequence of keypresses and inserts the word into your message. Using T9 mode is much faster than the more traditional method Alpha mode, since T9 requires only one key press per letter of the word that you are spelling.

Note: See *"Changing the Text Entry Mode"* on page 45 for instructions on changing text entry modes.

1. While in **T9 Word** mode, press each key that corresponds to a desired letter, in sequence, one time. A list of words and/or abbreviations pops-up at the bottom of the text entry screen.

Example: If you press the key sequence 2 ABC 2 ABC 3 DEF, the word "Bad" is likely to appear in the text entry field. In the pop-up list, "Bad", "Ace", and "Caf" appear.

2. When you have completed pressing all the keys for the desired word, review the word appearing in the text entry field and pop-up list.
3. If the word in the text entry field is not the one you meant to enter, use the Up and Down navigation keys to highlight the desired word in the pop-up list.

Example: When you press the key sequence 2 ABC 6 MNO 3 DEF, the word "And" appears on the screen. Suppose the word you want is "cod". Just press the Up and Down navigation keys until "Cod" is highlighted in the display.

4. Press MENU OK to accept the highlighted word.

For practice, enter the word “SAMSUNG” into your message by pressing each of the following keys only once:

T9 Word recognizes that the most commonly used word for the sequence of keys you just pressed is “Samsung.”

Tip: To enter words not likely to be in the T9 Word dictionary, such as uncommon abbreviations or slang, try changing the text entry mode from **T9 Word** to **Abc**, **abc**, or **ABC**.

Adding Words to the T9 Word Dictionary

If pressing the keys corresponding to a word you want to enter and then scrolling through the pop-up list does not display that word, do the following:

1. Clear the word by pressing and holding BACK.
2. Change the text entry mode to **Add T9 Word**.

Note: See *“Changing the Text Entry Mode”* on page 45 for instructions on changing the text entry mode to **Add T9 Word**.

3. Enter the word you want to add to the T9 Word dictionary.

Note: In **Add T9 Word** mode, you enter a word using the same multiple keypress method as when in **Abc** text entry mode.

4. Press MENU OK. The word is added to the T9 dictionary.

Entering Upper and Lower Case Letters

In Abc and T9 Word modes, you can select to enter only upper case letters (**ABC/T9 WORD**), only lower case letters (**abc/T9 word**), or a mix of the two (**Abc/T9 Word**).

1. While in **T9 Word** or **Abc** mode, repeatedly press the * key to change the capitalization setting.

   The left soft key label changes to indicate the current capitalization setting.

   For example, if the left soft key label is **ABC**, and you want to enter the word “BALL”, press the * key until the left soft key label changes to abc, then enter the word “ball”.

Tip: To enter a capital letter within a word, such as “SimTam”, change the capitalization setting to **Abc** at the beginning of the word and before entering the “T”. The capitalization setting will automatically change to abc after you enter each upper case letter.

Entering Numbers

Enter numbers into a text message while in number mode (123).

Note: See *"Changing the Text Entry Mode"* on page 45 for instructions on changing text entry modes.

▶ While in **123** mode, press the key labeled with the number that you wish to insert into your message. For example, press [4 GHI] to enter the number '4' in your message.

Entering Symbols

Symbol mode enables you to enter symbols such as @ or % in a text message.

Note: See *"Changing the Text Entry Mode"* on page 45 for instructions on changing text entry modes.

1. While in **Symbols** mode, use the **Prev** soft key and the **Next** soft key to page through the symbols, if necessary.
2. Press the key that corresponds to the symbol that you wish to enter. For example, press [4 GHI] for an exclamation point (!).

Note: You can also use the navigation keys to highlight the desired symbol and then press [MENU OK] to enter the selected symbol into your message.

3. Repeat steps 1 and 2 to insert as many symbols into your message as desired.

This section explains how to create, send, receive, and view different types of messages. This section also describes the features and functionality associated with messaging.

Creating and Sending New Messages

This section guides you through procedures for creating and sending text, picture, and postcards.

Creating and Sending a Text Message

1. In standby mode, press the **Menu** ➔ **Messages** ➔ **Create Message** ➔ **Text Message**. The **Create Text Msg** screen appears in the display showing the **To** list.
2. Address your message by selecting contacts and/or entering number(s) or e-mail address(es) of message recipient(s):
   - To select a mobile number or e-mail address using your Contacts list, press the **Add** soft key. The following options appear in the display:
     - **Contacts**
     - **Groups**
     - **Recent Calls**

     Select **Contacts**. The **Add Contacts** screen appears in the display. For more information, refer to *"Finding a Contacts Entry"* on page 36.

     Highlight a Contact. Use the Left and Right navigation keys to highlight a phone Number or E-mail address for the highlighted Contact. Press **MARK** (MENU OK) to mark your selection.

     To add the selected contacts to the **To** list, press the **Done** soft key. The **Create Text Msg** screen appears in the display showing the populated **To** list.
   - To enter recipient e-mail address(es), press and hold the * key to change the text entry mode from **123** to **T9 word** or **abc**. (For more information, refer to *"Add a Number or Email Address to an Existing Entry"* on page 42.)
3. When you are finished addressing your message, press MENU OK. The **Text** field appears in the display.
4. Enter the text for your message using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
5. At any point while composing a message, you can set message send options by pressing the **Options** soft key. (For more information, refer to *"Message Send Options"* on page 55.)

6. Once you're finished composing your message, press **SEND** (MENU OK) to send your message.

Creating and Sending a Picture Message

1. In standby mode, press **Menu** ➔ **Messages** ➔ **Create Message** ➔ **Picture Message**. The **Create PIC Msg** screen appears in the display showing the **To** list.

Tip: You can also access Messages by pressing **Menu** (MENU OK) and select **Messages**.

2. Address your message by selecting contacts and/or entering number(s) or e-mail address(es) of message recipient(s). (For more information, refer to *"Creating and Sending a Text Message"* on page 49. See Step 2.)
3. After addressing your picture message, the **Subject** field becomes highlighted.
4. If desired, enter the Subject text using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
5. Press the Down navigation key. The **Text** field becomes highlighted.
6. Enter the message text using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
7. To set message send options, press the **Options** soft key. (For more information, refer to *"Send Picture Messages in Camera Mode"* on page 51.)
8. To add a picture to the message, highlight the **Picture** field.
   - Press the **Images** soft key to access the picture gallery. If there are no pictures in the gallery, press the **Camera** soft key to launch the camera, then take a picture. With pictures in the gallery, thumbnail images appear in the display. Then, do the following:
     - Highlight a picture in the gallery.
     - To expand the highlighted picture to fill the display, Press the **View** soft key.
     - To activate the phone's camera and take a new picture, Press the **Camera** soft key. (For more information, refer to *"Camera-Camcorder"* on page 68.)
9. Once you have highlighted a photo, press MENU OK. The **Create Pic Msg** screen appears in the display with the selected photo in the **Picture** field.

   The **Sound** field becomes highlighted.

10. To add a sound file to your message, press the **Sounds** soft key. The **Record New** option and a list of sound files appear in the display with the **Record New** option highlighted.
11. Record a new sound file or select a listed sound file.
    - If you select the **Record New** option, the **Record New** screen appears in the display. Press **REC** (MENU OK) to begin recording.
    - Wait for the beep, then start speaking. As it is recording the phone displays a countdown timer that shows the seconds remaining for the recording.
      - To pause the recording, press the **Pause** soft key. When a memo is paused, press the **Resume** soft key to continue recording.
      - To stop recording, press **SAVE** (MENU OK). The **Record New** option and a list of sound files appear in the display with the **Record New** option highlighted.
    - Select your new sound file. The **Create Pic Msg** screen reappears in the display with your selected sound file in the **Sound** field.
12. Once you're finished composing your picture message, do one of the following:
    - Press **SEND** (MENU OK) to send the message.
    - Press the **Options** soft key. For more information, refer to *"Send Picture Messages in Camera Mode"* on page 51.

Send Picture Messages in Camera Mode

Picture messages can be sent to recipients with compatible phones or devices. You can even accompany a Picture message with a voice memo or preloaded sound.

Tip: You can send a Picture message to up to ten recipients. Enter each recipient's address or phone number in a separate **To** field of the Picture message composer.

1. In standby mode, press and hold the Camera key ( ).
2. Ensure the Auto Save camera setting is set to **Off**.
3. Using the display as a viewfinder, when the image that you wish to send appears in the display, press **TAKE** (MENU OK) to take a picture.

Note: For more information about using the camera feature in your phone, see *"Camera-Camcorder"* on page 68.

4. Press **Send** (MENU OK) to save the picture and begin delivery process. The **Create Pic Msg** screen appears in the display with the **To:** list showing.
5. Enter the phone number or E-mail address of the recipient of the Picture message, then press MENU OK.

Tip: Press the **Add** soft key to display a pop-up menu containing: **Contacts**, **Groups**, and **Recent Calls**. These options allow you to find and add recipients to the **To:** list.

6. The **Subject:** field appears in the display. Enter a subject for the Picture message using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
7. Press the Down navigation key until the **Text:** field is highlighted, then enter the message text using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
8. Your new picture appears in the **Picture:** field.
9. If you wish to insert a sound into your Picture message, use the Down navigation key to highlight the **Sound:** field and do the following; otherwise, proceed to step 10.
   - Press the **Sounds** soft key. The **My Sounds** screen appears in the display showing the following options:
     - **Record New** — Record a new memo to insert into the message.

Note: You can record and insert a voice memo of up to 60 seconds in length, if you record first before attaching a picture. If a picture is attached before recording, the size of the voice memo is limited to the amount of remaining memory.

     - **Audio files list** — Select from the list of previously recorded voice memos and preloaded audio files on your phone.
       Select the desired option to insert a sound into your message.
10. Press the **Options** soft key to complete the message text and set message send options. The following options appear in the display:
    - **Preview** — View the picture as the recipient will see it.
    - **Add Quick Text**— Add pre-composed text to your message.
    - **Save As Draft** — Save the message to your Draft folder.
    - **Priority Level** — Choose **High**, **Normal**, or **Low**.
    - **Validity Period** — Enter the **Date** when this message will cease to be valid, then use the Left and Right navigation keys to choose the **Time**.
    - **Deferred Delivery** — Select the **Date** and **Time** to deliver the message.
    - **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.

- **Add To Contacts** — Save the recipient's number or e-mail address as a Contacts list entry.

11. Highlight an option, then press MENU OK to invoke it.
12. Press MENU OK to send the message. "**Connecting...**" followed by "**Sending Message**" appear in the display and a progress bar indicates the send status.

Creating and Sending a Video Message

1. In standby mode, press the **Menu** ➔ **Message**, Select **Create Message** ➔ **Video Message**. The **Create Video Msg** screen appears in the display showing the **To** list.

Tip: You can also access Messages by pressing **Menu** (MENU OK) and select **Messages**.

2. Address your message by Adding selected contacts and/or entering number(s) or e-mail address(es) of message recipient(s). (For more information, refer to *"Creating and Sending a Text Message"* on page 49. See Step 2.)
3. After addressing your video message, the **Subject** field becomes highlighted.
4. If desired, enter the Subject text using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
5. Press the Down navigation key. The **Text** field becomes highlighted.
6. Enter the message text using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
7. To set message send options, press the **Options** soft key. (For more information, refer to *"Send Video Messages in Camcorder Mode"* on page 54.)
8. To add a video clip to the message, highlight the **Video** field.
   - Press the **Videos** soft key to access the video gallery. If there are no videos in the gallery, press the **Video** soft key to launch the camcorder, then record a video. With videos in the gallery, thumbnail images appear in the display. Then, do the following:
     - Highlight a video in the gallery.
     - To expand and play the highlighted video to fill the display, press the **Play** soft key.
     - To activate the phone's camcorder and record a new video, press the **Video** soft key. (For more information, refer to *"Camera-Camcorder"* on page 68.)
9. Once you have highlighted a video, press MENU OK. The **Create Video Msg** screen appears in the display with the selected video clip in the **Video** field.

10. Once you're finished composing your video message, do one of the following:
    - Press **SEND** (MENU OK) to send the message.
    - Press the **Options** soft key. For more information, refer to *"Send Video Messages in Camcorder Mode"* on page 54.

Send Video Messages in Camcorder Mode

Video messages can be sent to recipients with compatible phones or devices.

Tip: You can send a Video message to up to ten recipients. Enter each recipient's address or phone number in a separate **To** field of the Video message composer.

1. In standby mode, press and hold the Camera key ( ).
2. Press the Options soft key and use the Navigation key to select camcorder.
3. Ensure the camcorder's Recording Mode option is set to **Limit for MMS**.

Note: For more information about setting camcorder options in your phone, see *"Camcorder Options"* on page 77.

4. Using the display as a viewfinder, when the image that you wish to send appears in the display, press **Record** (MENU OK) to record a video. The time counter at the bottom of the Camcorder viewfinder screen indicates recording time in seconds.
5. To end your video clip, press **Stop** (MENU OK).

Note: For more information about using the camcorder feature in your phone, see *"Camera-Camcorder"* on page 68.

6. To send your new video clip as part of a video message, press **Send** (MENU OK).
7. The **Create Video Msg** screen appears in the display with the **To:** list showing.
8. Add a Contact or recent caller, or enter the phone number or E-mail address of the recipient of the Picture message, then press MENU OK .

Tip: Press the **Add** soft key to display a pop-up menu containing: **Contacts**, **Groups**, and **Recent Calls**. These options allow you to find and add recipients to the **To:** list.

9. The **Subject:** field appears in the display. Enter a subject for the Video message using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
10. Press the Down navigation key until the **Text:** field is highlighted, then enter the message text using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
11. Your new video clip appears in the **Video** field.
12. Press the **Options** soft key to complete the message text and set message send options. The following options appear in the display:
    - **Preview** — View the video message as the recipient will see it.
    - **Add Quick Text** — Add pre-composed text to your message.
    - **Save As Draft** — Save the message to your Draft folder.
    - **Priority Level** — Choose **High**, **Normal**, or **Low**.
    - **Validity Period** — Enter the **Date** when this message will cease to be valid, then use the Left and Right navigation keys to choose the **Time**.
    - **Deferred Delivery** — Select the **Date** and **Time** to deliver the message.
    - **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
    - **Remove Video** — Remove the video clip from your message.
    - **Add To Contacts** — Save the recipient's number or e-mail address as a Contacts list entry.
13. Highlight an option, then press MENU OK to invoke it.
14. Press MENU OK to send the message. "**Connecting...**" followed by "**Sending Message**" appear in the display and a progress bar indicates the send status.

Message Send Options

You can set priority, validity, and other options before you send a message. Which options appear in the Send Options list depends on what type of message you have composed and what message field you have highlighted.

1. After you've composed a Text or Picture message, press the **Options** soft key. The following are Send Options that can appear in the display:
    - **Edit Send To** — Lets you add, delete, or change numbers or E-mail addresses in a Text message **To:** list.
    - **Add Quick Text** — Lets you add **Quick Text** to a Picture message.
    - **Save As Draft** — Saves this message in the Drafts folder.
    - **Priority Level** — Lets you assign a **High**, **Normal**, or **Low** (picture messages only) priority to the message.

- **Validity Period** — Lets you set a **Date** and **Time** when this message will no longer be available to the recipient. After the set period of time, your message is recalled.
- **Enh. Delivery Ack / Delivery Ack** — Set to **On** to be alerted when your message is received by the addressee.
- **Add To Contacts** — Lets you add the addressee numbers or E-mail addresses to your Contacts list.

2. Select a desired option and a value for that option. You're returned to the Create Msg screen.

Receiving New Messages

When you receive a message in standby mode, one of the following occurs:

- **If Auto View and Auto Scroll are both set to On** — An alert sounds (unless turned off) and the message text automatically appears in the display and scrolls slowly to the end of the message. (For more information, refer to *"Text Message Settings"* on page 62.)
- **If Auto View is set to Off** — An alert sounds (unless turned off) and a **New Message** notification appears in the display along with the closed envelope icon ( ). The date and time of the message and the following options also appear in the display:
  - **View Now** — Opens the message where you have the option to Reply, Forward, Reply With Copy, Save Quick Text, Go To URL, Lock, Add To Contacts, Callback, or Message Info.
  - **View Later** — Closes the popup and saves the message to your inbox where you can view it later.

▶ Select the desired option.

Receive Messages While in a Call

When you receive a message while in a call, one of the following occurs:

- **If Auto View and Auto Scroll are both set to On** — The message text automatically appears in the display and scrolls slowly to the end of the message. (For more information, refer to *"Text Message Settings"* on page 62.)
- A **New Message** notification appears in the display along with the closed envelope icon ( ). The date and time of the message and the following options also appear in the display:
  - **View Now** — Opens the message where you have the option to Reply, Forward, Reply With Copy, Save Quick Text, Go To URL, Lock, Add To Contacts, Callback, or Message Info.
  - **View Later** — Closes the popup and saves the message to your inbox where you can view it later.

  Select the desired option.

Voicemail

Voicemail allows callers to leave voice messages in your voice mailbox, and lets you review, play, and delete your voice

messages any time you are in your Carrier's network coverage area.

Voice Mail Setup

Before callers can leave voice mail messages, you must first set up your account. For more information, refer to *"Setting Up Your Voicemail"* on page 7. and to *"General Message Settings"* on page 61.

Checking your Voicemail

1. In standby mode, press and hold [1] until you're connected to your Wireless Carrier's voicemail system. A recorded message prompts you for a password.
2. Enter your password, then follow the recorded prompts, to listen to your voice message(s), change administrative options, and so on.

Tip: You can also access your voice mail by selecting an entry in the Voicemail folder.

Message Folders

Inbox

Received messages of all types (except Voicemail) are stored in the Inbox.

1. In standby mode, press the **Menu** ➔ **Messages** then select **Inbox**, to open the Inbox folder.
2. Highlight a message, then do one of the following:
   - To delete the message, press the **Erase** soft key.
   - To view the highlighted message, press **OPEN** ([MENU OK]) then proceed to Step 3.
   - To access other options, press the **Options** soft key. The following options appear in the display:
     - **Reply** — Lets you compose and send a message to the sender.
     - **Reply With Copy** — Text Message only — Lets you reply to a message and include a copy of the original message.
     - **Forward** — Lets you forward the message to other E-mail addresses or mobile phone numbers.
     - **Lock** / **Unlock** — Blocks or allows erasure of the selected message.
     - **Add To Contacts** — Lets you add the addressee numbers or E-mail addresses to your Contacts list.
     - **Erase Multiple** — Deletes selected/all unlocked messages from the Inbox folder.
     - **Message Info** — Lets you display status information about a message.

     Select an option to perform the function for that option.
   - To return to the **Messages** menu, press [BACK].
3. While viewing a selected message, do one of the following:
   - To delete the message, press the **Erase** soft key.

- To compose and send a message to the sender of the highlighted message, press **REPLY** (MENU OK).
- Press the **Options** soft key, The following options appear in the display:
  - **Go To URL** — Lets you browse any Internet address included in the message.
  - **Play Again** — Picture Messages only — Replay a sound file included with a message.
  - **Forward** — Lets you forward the message to other E-mail addresses or mobile phone numbers.
  - **Reply With Copy** — Text Message only — Lets you reply to a message and include a copy of the original message.
  - **Save Pic** — Picture Messages only — Saves a copy of the image included in the selected message to the images Gallery.
  - **Save Sound** — Picture Messages only — Saves the sound file in the message to the My Sounds gallery.
  - **Save Quick Text** — Saves the message text as a Quick Text entry.
  - **Lock** / **Unlock** — Block or allow changes to the selected message.
  - **Add To Contacts** — Lets you add the addressee numbers or E-mail addresses to your Contacts list.
  - **Callback** — Lets you call the originator of the message.
  - **Message Info** — Lets you display status information about a message.

  Select an option to perform the function for that option.
- To return to the **Inbox** list, press BACK.

Messages and Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code. (For more information, refer to *"Lock Phone"* on page 119.)

Outbox

Your phone stores outgoing messages in the Outbox, regardless of whether the message was successfully sent to, or received by, the addressee.

Tip: Verify whether and when a message or e-mail was successfully received by enabling the **Delivery Ack** message send option. (For more information, refer to *"Send Picture Messages in Camera Mode"* on page 51.)

---

1. In standby mode, press the **Menu** ➔ **Messages** then select **Outbox**. A list of your outgoing messages appears in the display.
2. Highlight a message, then do one of the following:
   - To delete the message, press the **Erase** soft key.
   - To view the highlighted message, press **OPEN** (MENU OK) then proceed to Step 3.
   - Press the **Options** soft key. The following options appear in the display:

– **Forward** — Send the message to another addressee.
– **Resend** — Re-send the message.
– **Lock** / **Unlock** — Block a message from being erased or free a message to be erased.
– **Add To Contacts** — Lets you add the addressee numbers or E-mail addresses to your Contacts list.
– **Erase Multiple** — Erase all messages in the Outbox folder.
– **Message Info** — Lets you display status information about picture messages.

Select an option to perform the function for that option.

- To return to the **Messages** menu, press [BACK].

3. While viewing a selected message, do one of the following:

- To delete the message, press the **Erase** soft key.
- To resend a message to the original addressee, press **RESEND** ([MENU OK]).
- Press the **Options** soft key. The following options appear in the display:
  – **Go To URL** — Go to a URL included in this message.
  – **Forward** — Send the message to another addressee.
  – **Erase** — Picture Messages only — Delete the message from the Outbox folder.
  – **Lock** / **Unlock** — Block a message from being erased or free a message to be erased.
  – **Save Quick Text** — Save the message text in the Quick Text folder.
  – **Add To Contacts** — Lets you add the addressee numbers or E-mail addresses to your Contacts list.
  – **Callback** — Lets you call the recipient of the message.
  – **Message Info** — Lets you display status information about picture messages.
- Select an option to perform the function for that option.
- To return to the **Outbox** list, press [BACK].

Drafts Folder

Messages in the Drafts folder are those that have been composed but never sent. You can return to the Drafts folder at any time to view, edit, or send a draft message.

1. In standby mode, press the **Menu** ➔ **Messages** then select **Drafts**. A list of your draft messages appears in the display.
2. Use the navigation keys to highlight the message that you wish to edit, then do one of the following:

- To delete the message, press the **Erase** soft key.
- To view the highlighted message, press **EDIT** ([MENU OK]) then proceed to one of the following screens:
  – **Text Message** — **Create Text Msg** screen showing the **To** field appears in the display.
  – **Picture Messag**e — **Create Pic Msg** screen showing the **To** list appears in the display. Change or add numbers and addresses, then

press [MENU OK].
Proceed to Step 3.

– **Video Mesasge**— **Create Video Msg** screen showing the **To** list appears in the display. Change or add numbers and addresses, then press [MENU OK].
Proceed to Step 3.

- Press the **Options** soft key. The following options appear in the display:
  - **Send** — Send the message to the current addressee(s).
  - **Lock** / **Unlock** — Block a message from being erased or free a message to be erased.
  - **Add To Contacts** — Lets you add the addressee numbers or E-mail addresses to your Contacts list.
  - **Save Quick Text** — Save the message text in the Quick Text folder.
  - **Erase Multiple** — Erase all messages in the Drafts folder.

  Select an option to perform the function for that option.
- To return to the **Messages** menu, press [BACK].

3. If you press **EDIT** ([MENU OK]) in the **Text** screen/field, do one of the following:
   - To change text options, press the Left soft key. (For more information, refer to *"Entering Text"* on page 45.)
   - To send the message, press **SEND** ([MENU OK]).
   - Press the **Options** soft key. (For more information, refer to *"Message Send Options"* on page 55.)
4. Once you're finished composing your message, do one of the following:
   - To send the message, press **SEND** ([MENU OK]).
   - To exit the message, press [BACK]. You are prompted to save your changed message to the Drafts folder.

Voicemail

New voice messages in your voice mailbox are logged in the Voicemail folder of the Messages menu. Open the Voicemail folder to view the Callback # (if available), Urgency, and other details of new voicemail messages.

1. In standby mode, press the **Menu** ➔ **Messages** then select **Voicemail**. A Voicemail status screen indicating the number of new messages in your voice mailbox, their urgency, and any callback numbers appears in the display.
2. Press [SEND] to call your voice mailbox and listen to your voice messages.

Note: You can, in standby mode, also press and hold [1 @] to dial your voice mailbox.

Erasing Messages

You can erase all of the messages in each/all of your message folders from one convenient location.

Note: This function erases all messages in a selected message folder or in all message folders. To delete a single message, from the Messages menu, open the message folder where the message to be deleted is stored, then select and delete the message from the Option menu while viewing the message content.

1. In standby mode, press the **Menu** ➔ **Messages** then select **Erase Messages**. The following options appear in the display:
   - **Inbox** — Lets you delete all messages from your Inbox.
   - **Outbox** — Lets you delete all messages from your Outbox.
   - **Drafts** — Lets you delete all draft messages from the Drafts folder.
   - **All Messages** — Lets you delete all messages from all message folders.
2. Select the folder containing the messages that you wish to delete. You are prompted to confirm the erasure of all messages in that folder.
3. To cancel deleting any messages, press the **No** soft key. To delete all messages from the selected folder, press the **Yes** soft key.

Message Settings

The Msg Settings options let you define numerous message settings such as ringer types and save options.

1. In standby mode, press the **Menu** ➔ **Messages** then select **Msg Settings**. The following options appear in the display:
   - **General** — Lets you set default option values for Text, Picture, and Voice messages.
   - **Text Message** — Lets you set default message text option values for both Text and Pic messages.
   - **Picture/Video Message** — Lets you set default picture message option values.
2. Select the desired option to perform the function(s) for that option.

General Message Settings

1. In standby mode, press the **Menu** ➔ **Messages** then select **Msg Settings** ➔ **General**. The following options appear in the display:
   - **Auto Save** — Lets you set whether to automatically save to the Outbox folder, to discard, or to prompt you to save unsent messages when you exit them.

- **Auto Erase** — Automatically erase the oldest read message after memory is full.
- **Quick Text** — Lets you change pre-composed text or compose text for addition to your outgoing messages.
- **Voicemail #** — Lets you update your Voicemail access number.
- **Entry Mode** — Lets you set the default text entry mode [T9 Word, Abc/ABC (alphabetically), or 123 (numerical)] for composing message text.
- **Callback #** — Lets you disable, enable, and update the callback number that can be inserted in outgoing messages.
- **Signature** — Lets you disable, enable, and update the text signature that can be inserted in outgoing messages.
- **Reminder** — Lets you set the message receipt reminder to play **Once**, **Every 2 Minutes**, **Every 15 Minutes**, or not to play (**Off**).

2. Select the desired sub-menu to enter the sub-menu and change the selected message settings.

Text Message Settings

1. In standby mode, press the **Menu** ➔ **Messages** then select **Msg Settings** ➔ **Text Message**. The following options appear in the display:
   - **Auto View** — Automatically view messages as they are received.
   - **Auto Scroll** — When set to **On**, the phone automatically scrolls message text, letting you see the complete message text without using the navigation keys.
2. Select the desired sub-menu to enter the sub-menu and change the selected message settings.

Picture/Video Message Settings

1. In standby mode, press the **Menu** ➔ **Messages** then select **Msg Settings** ➔ **Picture/Video Message**. The following option appears in the display:
   - **Auto Receive** — Lets you choose whether to be prompted to retrieve picture messages from your provider's e-mail server or to automatically retrieve all picture messages as they are received by the server.
2. Select **Auto Receive** to enter the sub-menu and change the selected message setting.

This section outlines how to launch the Browser, how to navigate to other pages on the web, and how the keys on the keypad are used with the web application. Additionally, links to other sites are briefly discussed.

Browser Indicator

With the Browser, you can conveniently surf the web and download ringtones and wallpapers using your phone. Each time you launch the Browser, your phone connects to the Internet and the service indicator icon ( ) appears in the display.

Stored Web Content

The Browser ends an Internet connection after a certain period of inactivity, however some information from your session remains stored in the phone (if you leave your phone turned on). You can access this information without reconnecting to the Internet. However, if you are viewing stored information, and you select a link to a site that was not accessed in your last session, you automatically re-connect to the Internet.

Launching the Browser

1. In standby mode, select **MENU** > **Browser** > **Browser**.

   A list of categories (each representing one or more web sites) appears in the display.

2. Use the Navigation keys to browse the categories.
3. Once the desired category is highlighted, press to enter the category list.

Exit the Web

▶ To exit the Browser, press .

Using Browser

When you use the Browser, some of the keys operate differently than during a normal phone call. The Browser presents onscreen items in any of the following ways:

- Text or numeric input.
- Links (embedded in content).
- Numbered options (some may not be numbered).
- Simple text.

You can act upon options or links by using the soft keys.

Browser soft keys

At the bottom of the Browser screen is a bar that contains browser commands. The Left and Right soft keys are used to execute the browser commands that appear in their respective corners of the display. them in the display. These are called “soft keys” because their function changes depending on the application.

Using Links

Links have several purposes, such as jumping to a different page, to a different site, or even initiating a phone call. Links are shown inside of brackets ([ ]). You can normally use the Left soft key () to select a link when it is highlighted.

How Browser Keys Work

The following table lists Browser keys and their functions.

Navigation key — Use to browse lists and options.

BACK Key — A browse, back-up key. Press once to back up one page. Press and hold to go back to home page. Press to clear the last number, letter, or symbol entered. Press and hold to completely clear the text display.

Shift Key — Press before entering text to enable.

Number 1 thru 0 — Use the number keys to select items in a menu if they are numbered.

Pound/Space Key — Press to insert a space when entering text.

Number 1 thru 9 — Use the number keys to select items in a menu if they are numbered.

End Key — Press to exit the Browser and return the phone to standby mode.

Left Soft Key — Press to activate the command that appears above it in the display.

Right Soft Key — Press to activate the command that appears above it in the display.

With Mobile Shop, you can download full featured applications over the air including games, personalized ring tones, pictures, and more. You can send and receive instant messages and e-mail, or browse the web to catch up on all the latest news.

This section outlines how to obtain games and other applications for your phone. For more information, contact your Wireless Carrier.

Launching Brew

1. In standby mode, press **MENU** > **Brew** > **Brew**.

   The Brew menu displays on the screen as shown.

Applications Shopping and Downloading (Brew)

Download games, ring tones, e-mail, and more using Mobile Shop.

Note: For information on airtime charges, contact your Wireless Carrier.

1. At the Brew menu, highlight MobileShop, then press MENU OK.

   Your phone takes a moment to connect, then the Mobile Shop Catalog menu appears in the display.

2. Follow the instructions in your phone's display.

Note: Please check with your Wireless Carrier for availability of applications.

Changing Your Brew Settings

Use the **Settings** menu in Brew to manage, move, order applications, and much more.

1. At the Brew menu, highlight **Settings**, then press MENU OK.

   The following options appear in the display:

   - **Order Apps** — Download applications over the network.
   - **Move Apps** — Move previously downloaded applications between available folders.
   - **Manage Apps** — View used and available memory.
   - **Main Menu View** — Select whether to view the main Mobile Shop menu in a list or icon format.
   - **Screen Savers** — Download screen savers over the network.

- **View Log** — View the Mobile Shop log, which displays information about recent activity using Mobile Shop.

2. Highlight the desired option.

3. Press MENU OK to enter the option's sub-menu and view or change settings.

Using On-line Help

The Help sub-menu within Brew is a short tutorial on several Brew-Mobile Shop features. View information about charges, cancelling subscriptions, buying apps, disabling apps, and more.

1. At the Brew menu, highlight the **Help** icon.
2. Press MENU OK. The Help subjects described in the following subsections appear in the display.
3. Highlight the desired Help subject.
4. Press MENU OK to view the selected Help information.

Buying New Apps

To buy new and exciting apps, visit the MobileShop catalog. It provides you with a variety of apps you can choose from.

What do I pay?

When you buy an app, you will be charged for the purchase cost of the app and the network connections to download it.

Demo Apps

A Demo app is free and is designed to demonstrate the app's main features. It usually expires after a certain period of time or a number of uses and often has limited functions. When you run a demo app, you will be presented with a purchase option so you won't have to look for the app in the MobileShop catalog.

Removing Apps

You may remove apps that are no longer needed. When you remove an app, you cannot use the application unless you purchase it again. To remove an app, choose Settings > Manage Apps. Then, select the app you want to remove.

Disabled Apps

You can install new apps even if the memory of your phone is full by partially removing (disabling) apps you haven't used recently. When you need to use a disabled app, you can restore it at no additional purchase cost.

Restoring Apps

Disabled apps can be quickly restored at no additional purchase cost. To restore an app, run the application you want to restore from the Main Menu. You will be guided through the restoration process.

Expired Apps

Apps that were purchased based on the number of uses or time expire. You can purchase additional uses from the MobileShop catalog.

Section 10: Camera-Camcorder

Use your Samsung phone to take full color digital pictures and videos, display them on your phone's vivid color display, and instantly share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera or camcorder. This section explains how you can do the following:

- Take pictures and videos with your phone's built-in digital camera-camcorder.
- Send and receive pictures and videos taken with your phone's camera-camcorder.
- Set the several options associated with the camera-camcorder that help you take crisp, clear pictures and videos.

Taking Pictures and Videos

Taking pictures videos with the built-in camera-camcorder is as simple as choosing a subject, pointing the lens (located on the rear of your phone, at the top), and pressing a button.

Taking Snap Shots (Single Pictures)

To take a single picture using the current camera settings, do the following:

1. In standby mode, press and hold the Camera key ( ) on the right side of the phone.
2. The camera view finder screen displays. (For more information, refer to *"Screen Layouts"* on page 70.)

Note: You can also activate the camera by pressing **Menu** ( ), then selecting **Multimedia** ➔ **Camera**.

3. Using the display as a viewfinder, point the camera at your subject.
4. Press **Take** ( ) when the image that you wish to capture appears in the display.
5. Press the **Save** soft key to save the picture to memory.
6. Press the **Erase** soft key to erase the photo.
7. To exit the Camera feature, with the phone open press .

Tip: You can change a number of the camera's settings to suit particular uses for your pictures. For more information, refer to *"Camera Options"* on page 73.

Taking Multi Shot Pictures

When taking pictures of moving subjects or subjects you cannot pose, such as children and pets, the camera's Multi Shot mode simplifies the process of taking multiple pictures in quick succession. After taking Multi Shot pictures, the camera automatically displays thumbnail views of the pictures you have just taken so you can select the best picture(s) and discard the rest.

1. In standby mode, press and hold the **Camera** key ( ) on the right side of the phone.
2. The camera view finder screen displays. (For more information, refer to *"Screen Layouts"* on page 70.)

Note: You can also activate the camera by pressing the **Menu** key ( ), then select **Multimedia** ➔ **Camera**.

3. Press the **Options** soft key. The options menu bar appears in the display with the **Camera** icon ( ) highlighted. The **Camera** and **Camcorder** options will be displayed with the **Camera** option checked.
4. Highlight the **Multi Shot** icon ( ). The following **Multi Shot** options appear in the display:
   - **Single Shot** — Lets you take 1 photo.
   - **Series Shot** — Lets you take a series of 5 photos.
   - **Mosaic Shot** — Lets you take a mosaic of 2x2 or 3x3 photos.
   - **Fun Frames** — Lets you select different frames and borders for your photo.
5. When you select the **Series Shot** option, a pop-up message will appear stating that the image size will be fixed at 320x240 for multi-shots.

   The Series Shot progress bar 0/5 (which acts as a progress bar while pictures are being taken) appears in the display.
6. Using the display as a viewfinder, point the camera lens at your subject.
7. Press **Take** ( ) when the image that you wish to capture appears in the display. The camera takes five pictures in quick succession, then the Series Shot **Select to Save** screen appears in the display.

8. To save the pictures to memory, press the **Done** soft key.
9. To discard the pictures, press the **Erase** soft key.

Taking Videos

To take a video using the current camcorder settings, do the following:

1. In Camera mode, press the **Camera** key ( ) on the right side of the phone.
2. The camera view finder screen displays. To change to Camcorder mode, select **Options** and higlight Camcorder. (For more information, refer to *"Camcorder Screen"* on page 72.)

Note: You can also activate the camcorder by doing one of the following:
1. Pressing **Menu** ( ), then selecting **Multimedia** → **Camcorder**.
2. From the camera screen, by pressing the **Options** soft key and selecting the Camcorder icon.

3. Using the display as a viewfinder, point the camera lens at your subject.
4. Press **Record** ( ) when the image that you wish to capture appears in the display. Recording continues until you press **Stop** ( ) or until 15 seconds of video has been recorded, if the **Limit for MMS** setting has been chosen in the camcorder settings.
5. Press the **Save** soft key to save the video to memory.
6. Press the **Erase** soft key to erase the video.

Screen Layouts

Camera Screen

When you activate your phone's camera, the second line of the display is reserved for the current camera resolution setting and the picture counter. The center of the display shows a viewfinder image of the subject at which the camera is pointed.

The soft key labels on the bottom line of the display change to the following:

- **Gallery** — Pressing the Left soft key opens the **My Images** multimedia folder so you can view or manage your stored pictures. (For more information, refer to *"The Photo Gallery"* on page 80.)
- **Take** — Pressing takes a picture of the image currently appearing on the display.

- **Options** — Pressing the Right soft key opens a menu bar of camera options and settings.

Camera Screen Icons

Camera — Indicates the camera is active.

Night Shot — Indicates the camera is set to take pictures in low light.

Camera Resolution — Indicates camera's current resolution setting. (You can change the camera resolution setting. For more information, refer to *"Camera Options"* on page 73.)

Photo Limit — Indicates the available number of photos you can take. (Depending on the camera resolution setting.)

White Balance — Indicates camera's white balance setting. (You can change the camera white balance setting. For more information, refer to *"White Balance"* on page 75.)

Zoom — Enlarges the image from X0 to X9 before you take a picture. (Depending on the camera resolution setting.)

Brightness — Brightens or darkens the image from 4 to +4.

Single Shot in use — Takes one picture at a time when you press **Take** ((MENU OK)).

Series Shot in use — Takes five pictures in succession when you press **Take** ((MENU OK)).

Mosaic Shot in use — Takes 2x2 or 3x3 mosaic pictures when you press **Take** ((MENU OK)).

Self Timer in use — Delays the camera shutter for 3, 5, or 10 seconds after you press **Take** ((MENU OK)).

Settings — Allows you to change your camera settings. (For more information, refer to *"Settings"* on page 76.)

Camcorder Screen

When you activate your phone's camcorder, the first line of the display is shows current camcorder setting icons. The center of the display shows a viewfinder image of the subject at which the camcorder is pointed. The soft key labels on the bottom line of the display change to the following:

- **Gallery** — Pressing the left soft key ( ) opens the **My Videos** multimedia folder so you can view or manage your stored pictures. (For more information, refer to *"The Photo Gallery"* on page 80.)
- **Record** — Pressing the MENU OK key starts the camcorder recording a video of the image currently appearing in the display.
- **Options** — Pressing the right soft key ( ) opens a menu bar of camcorder options and settings.

Camcorder Screen Icons

Camcorder — Indicates the camcorder is active.

White Balance — Indicates the camcorder's white balance setting. (You can change the camcorder white balance setting. For more information, refer to *"White Balance"* on page 75.)

Zoom — Enlarges the image from X0 to X9 before you take a video. (Depending on the camcorder quality setting.)

Brightness — Brightens or darkens the image from 4 to +4.

Self Timer in use — Delays the camcorder from recording for from 10, 5 or 3 seconds after you press MENU OK.

Recording Mode Normal— Indicates camcorder is set to Normal mode.

Recording Mode Limit for MMS — Indicates **Recording Mode** is set to **Limit for MMS** which limits video to 15 seconds in length.

Saving Pictures and Videos

After you've taken a picture or video, you can do any of the following:

- **Save the picture or vide**o by pressing the **Save** soft key.

A picture is stored in the **My Images** folder. A video is stored in the **My Videos** folder. These folders are part of the phone's memory and/or part of an optional Memory Card devoted to storing, browsing, and viewing saved pictures and videos. (For more information, refer to *"The Photo Gallery"* on page 80.)

- **Send the picture or video** to someone else by pressing **Send** (MENU OK).

For a detailed procedure, see *"Creating and Sending a Picture Message"* on page 50.

- **Discard the picture or video** by pressing the **Erase** soft key.

Camera Options

The Camera Options let you adjust the default camera settings to suite available lighting, the subject of the photo, or the purpose of the photo. To access Camera Options, do the following:

1. In standby mode, press and hold the Camera key ( ). The camera menu screen appears in the display.
2. The camera view finder screen displays.
3. Press the **Options** soft key. The options menu bar appears in the display showing the following options:
   - **Camcorder**
   - **Multi Shot**
   - **Resolution**
   - **Nite Shot**
   - **Self Timer**
   - **White Balance**
   - **Color Effects**
   - **Shortcut**
   - **Settings**
4. Highlight the desired option and select the desired setting.

Camcorder

▶ In camera mode, press the **Options** soft key, then highlight **the Camera icon** ( ). Select **Camcorder**. The Camcorder view finder screen appears in the display.

Multi Shot

Multi Shot mode lets you choose between single shots, multiple shots or a mosaic of pictures. You can also use Fun Frames to create borders around your pictures.

1. In camera mode, press the **Options** soft key, then highlight **the Multi Shot icon (**). The following options pop-up:
   - **Single Shot** — Takes one picture at a time when you press **Take** (MENU OK).
   - **Series Shot** — Takes five pictures in succession when you press **Take** (MENU OK).
   - **Mosaic Shot** — Takes 2x2 or 3x3 mosaic pictures when you press **Take** (MENU OK).

- **Fun Frames** — Fun Frames lets you temporarily apply one of the preloaded picture frames in your phone to characterize or enhance one or more pictures.

2. Select the desired option and setting. The related icon appears in the display.

Note: When Shot Mode is set to **Series Shot**, a Series Shot progress bar (0/5) appears in the viewfinder screen.

Fun Frames

Note: The None frame is a blank frame.

1. In camera mode, press the **Options** soft key, then highlight **Shot Mode icon** and select **Fun Frames**. A pop-up menu of the available Fun Frames appears in the display.
2. Use the Left and Right navigation keys to show the various Fun Frames.
3. Select the frame you wish to use. The camera screen appears in the display with your selected Fun Frame in place.

   When you take your next picture, the camera includes the selected Fun Frame in your picture.

Resolution

Change the size (in bytes) of your pictures using the Resolution setting.

1. In camera mode, press the **Options** soft key, then highlight **the Resolution icon (** 1600 1200 **)**. The following options pop-up:
   - **1600 X 1200** (pixels)
   - **1280 X 960** (pixels)
   - **640 X 480** (pixels)
   - **320 X 240** (pixels)
   - **176 X 144** (pixels)
   - **Picture ID** — lets you take pictures the correct size and resolution for Contacts list picture IDs.
2. Select the desired option. You're returned to the camera viewfinder screen.

Note: The Resolution setting affects zoom capabilities. When Resolution is set to 1600 X 1200, zoom is not available. When Resolution is set to any value lower than 1600 X 1200, zoom settings 1 – 9 are available.

Night Shot

Night Shot lets you take pictures in low light conditions.

1. In camera mode, press the **Options** soft key, then highlight **the Night Shot icon (** **)**.

The following options appear in the display:

- **Off**
- **On**

2. Select the Night Shot setting of your choice. You're returned to the camera viewfinder screen.

Self Timer

Self Timer lets you delay taking a picture long enough to let you join others in a picture.

1. In camera mode, press the **Options** soft key, then highlight **the Self Timer icon (**) The following options pop-up:
   - **10 Sec.**
   - **5 Sec.**
   - **3 Sec.**
   - **Off**
2. Select the desired Self Timer option. If you select **3 Sec.**, **5 sec.**, or **10 sec.**, the Self Timer icon appears in the camera screen in the display.

   When you press **Take** (MENU OK), the countdown timer indicates the time remaining before the camera takes the picture.

Tip: To stop the countdown timer without resetting it, press BACK.

White Balance

White Balance allows you to adjust picture quality according to available light.

1. In camera mode, press the **Options** soft key, then highlight the **White Balance icon** ( ). The following options pop-up:
   - **Auto** — The camera automatically adjusts picture quality to available light.
   - **Sunny** — Use this setting when taking pictures in full sun.
   - **Cloudy** — Use this setting when taking pictures in cloudy conditions.

- **Tungsten** — Use this setting when taking pictures under incandescent lights.
- **Fluorescent** — Use this setting when taking pictures under fluorescent lights.

Each option, as you highlight it, shows the effects it has on a picture.

2. Select the White Balance you wish to use. The camera viewfinder screen appears in the display with your selected White Balance applied.

   The next time you press **Take** (MENU OK), the camera applies the selected White Balance to your picture.

Color Effects

Change the look of your pictures with Color Effects. Choose from eight available settings such as Gray, Negative, and Sepia. The selected color effect previews in the display before you take the picture.

1. In camera mode, press the **Options** soft key, then highlight the **Color Effects icon** ( ). The following options pop-up:

Note: Choose **Normal** to disable Color Effects.

- **Normal** — Subjects and pictures appear with a normal hue.
- **Black&White** — Subjects and pictures appear in black and white.
- **Sepia** — Subjects and pictures appear in a brownish-gray hue.
- **Antique** — Subjects and pictures appear in a darker Sepia hue.
- **Negative** — Subjects and pictures appear in inverted colors.
- **Green** — Subjects and pictures appear in a greenish hue.
- **Aqua** — Subjects and pictures appear in an aqua hue.

2. Select the color effect of your choice. You're returned to the camera viewfinder screen.

   When you take your next picture, the phone's display previews your subject image with the selected color effect.

Settings

1. In camera mode, press the **Options** soft key, then highlight the **Settings icon** ( ). Press **OK**.

   The Camera Settings display will appear. Use the Up and Down keys to scroll through the following settings:

- **Default Storage** — Select either Phone Memory or Card Memory.
- **Quality** — Select High, Normal, or Economy. Higher quality settings take up more storage space.
- **ISO** — Select Auto, 100, 200, or 400. The higher the ISO value, the faster the shutter speed of the camera. Also, the higher the ISO value, the better the lighting conditions should be.
- **Metering** — Select either Average, Center-weighted, or Spot.

– **Average** — Adjusts exposure to the average light level over a large picture area.

– **Center-weighted** — Adjusts exposure to the average light level over a center portion of the subject.

– **Spot** — Adjusts exposure to the light level over a small portion of the subject.

- **View Mode** — Select either Portrait or Landscape.
  - **Landscape** — Shows a wider, more panoramic view of the subject.
  - **Portrait** — Shows a narrower, more vertically oriented view of the subject.
- **Shutter Sound** — Select either Shutter1, Shutter2, Shutter3, OK, Melody, or Off.
- **Auto Save** — Select either On or Off.

Reset Settings

1. In camera mode, press the **Options** soft key, then highlight the **Settings icon** ( ) and press **OK** ( ).
2. Press the **Reset** soft key.

   You are prompted to confirm reset of all camera settings.

   - Select **Yes** to reset the camera settings to default values.
   - Select **No** to keep the current camera settings.

Camcorder Options

The Camcorder Options let you adjust the default camcorder settings to suite available lighting, the subject of the video, or the purpose of the video. To access Camcorder Options, do the following:

1. In Camcorder mode, press the **Options** soft key. The following sub-menus appear in the display:
   - **Camera**
   - **Recording Mode**
   - **Self Timer**
   - **White Balance**
   - **Color Effects**
   - **Shortcut**
   - **Settings**
2. Highlight the desired option and select the desired setting.

Camera

▶ In camcorder mode, press the **Options** soft key, then highlight **the Camcorder icon** ( ). Select **Camera**. The Camera view finder screen appears in the display.

Recording Mode

1. In camcorder mode, press the **Options** soft key, then highlight **the Recording Mode icon (**). The following options appear in the display:
   - **Limit for MMS** — Record videos that are a maximum of 15 seconds long. The videos can be included in video messages.
   - **Normal** — Record videos that are any length up, depending on available memory.
2. Select the desired recording mode setting. The camcorder viewfinder screen appears in the display.

Self Timer

Self Timer lets you delay taking a video long enough to let you join others in the video.

1. In camcorder mode, press the **Options** soft key, then highlight **the Self Timer icon (**). The following options appear in the display:
   - **10 Sec.**
   - **5 Sec.**
   - **3 Sec.**
   - **Off**
2. Select the desired delay. The camcorder viewfinder screen appears in the display.

   The next time you press **Record** (MENU OK), a countdown timer in the display indicates the time remaining before the camcorder starts recording the video.

Tip: To stop the countdown timer without resetting it, press BACK.

White Balance

White Balance allows you to adjust video quality according to available light.

1. In camcorder mode, press the **Options** soft key, then highlight the **White Balance icon** ( ). The following options pop-up:
   - **Auto** — The camcorder automatically adjusts color balance to available light.
   - **Sunny** — Use this setting when recording videos in full sun.
   - **Cloudy** — Use this setting when recording videos in cloudy conditions.
   - **Tungsten** — Use this setting when recording videos under incandescent lights.
   - **Fluorescent** — Use this setting when recording videos under fluorescent lights.

2. Use the Up and Down navigation keys to show the various White Balances and the effects they have on a video.
3. Select the White Balance you wish to use. The camcorder viewfinder screen appears in the display with your selected White Balance applied.

   The next time you press **Record** (MENU OK), the camcorder applies the selected White Balance to your video.

Color Effects

Change the look of your videos with Color Effects. Choose from eight available settings such as Gray, Negative, and Sepia. The selected color effect previews in the display before you take the picture.

1. In camcorder mode, press the **Options** soft key, then highlight the **Color Effects icon** ( ).

Note: Choose **Normal** to disable Color Effects.

- **Normal** — Subjects and pictures appear with a normal hue.
- **Black&White** — Subjects and pictures appear in black and white.
- **Sepia** — Subjects and pictures appear in a brownish-gray hue.
- **Antique** — Subjects and pictures appear in a darker Sepia hue.
- **Negative** — Subjects and pictures appear in inverted colors.
- **Green** — Subjects and pictures appear in a greenish hue.
- **Aqua** — Subjects and pictures appear in an aqua hue.

2. Select the color tone of your choice. You're returned to the camcorder viewfinder screen.

   When you record your next video, the phone's display previews your subject image with the selected color effect.

Settings

1. In camcorder mode, press the **Options** soft key, then highlight the **Settings icon** ( ). Press **OK**.

   The Camcorder Settings display will appear. Use the Up and Down keys to scroll through the following settings:

   - **Default Storage** — Select either Phone Memory or Card Memory.
     - **Phone** — Stores videos in phone memory.
     - **Card** — Stores videos on an optional microSD Memory Card.
   - **Quality** — Select High, Normal, or Economy. Higher quality settings take up more storage space.
   - **Start Sound** — Choose from three different sounds whenever you begin video recording. Aside from being a cool sound effect, Start Sound acts as an audible reminder that your camcorder has begun recording a video. Select between Beep, Look Here, 1,2,3!, or Off.

- **End Sound** — Choose from three different sounds whenever you stop video recording. Aside from being a cool sound effect, End Sound acts as an audible reminder that your camcorder has stopped recording a video. Select between Beep, OK, Melody, or Off.
- **Auto Save** — Select either On or Off.

Reset Settings

1. In camcorder mode, press the **Options** soft key, then highlight the **Settings icon** ( ) and press **OK**.
2. Press the **Reset** soft key.

   You are prompted to confirm reset of all camcorder settings.

   - Select **Yes** to reset the camera settings to default values.
   - Select **No** to keep the current camera settings.

Zoom

Zoom lets you temporarily enlarge the pictures you take. Increasing the Zoom (1 – 9) enlarges your pictures or videos (0 is normal).

▶ In camera or camcorder viewfinder screen, use the Up and Down navigation keys to adjust the Zoom (the screen image enlarges to show the affects of your changes).

The next time you press **Take/Record** ( ), the camera takes an enlarged picture or the camcorder takes an enlarged video according to your selected Zoom setting.

Brightness

Brightness lets you temporarily lighten the pictures you take. Increasing the Brightness (-4 – +4) lightens your pictures (0 is normal).

▶ In camera or camcorder viewfinder screen, use the Left and Right navigation keys to adjust the Brightness (the screen image lightens or darkens to show the affects of your changes).

The next time you press **Take/Record** ( ), the camera takes a lighter or darker picture or the camcorder records a lighter or darker video according to your selected Brightness setting.

The Photo Gallery

Saved pictures are stored in the My Images folder. You can browse the pictures one at a time (expanded mode), or view several pictures at once in thumbnail format.

1. In the Camera viewfinder screen, press the **Gallery** soft key. Any pictures that you've saved appear in the display.

2. Use the Navigation key to browse pictures in the gallery.
3. Press the **Options** soft key while viewing pictures in the Gallery. The following options appear in the display:
   - **Send** — Send the currently displayed or highlighted picture as a Picture message.
   - **Set As** — Assign the currently displayed or highlighted picture to be the Main (standby screen) Wallpaper, the Front Wallpaper, or as a Picture ID for someone in your Contacts list.
   - **Erase Files** — Erase selected unlocked pictures in the Picture Gallery. Locked pictures must be unlocked before you can erase them.
   - **Move** — Relocate the currently displayed or highlighted picture from phone memory to a Memory Card or from a Memory Card to phone memory.
   - **View by Location** — Lets you view all pictures or just the pictures in your phone memory or card memory.
   - **Rename** — Rename the currently displayed or highlighted picture.
   - **Lock / Unlock** — Lock the currently displayed or highlighted picture so that it cannot be deleted, or unlock the picture so that it can be deleted.
   - **Slide Show** — Show the pictures as a full screen slide show.
   - **Picture Info** — View the name, time and date created, size, and resolution of the currently highlighted or displayed picture.
4. Select the desired option to perform its function or to enter its sub menu.

Switch From Expanded to Thumbnail Mode

1. Use the Navigation key to highlight a picture that you wish to view full size, press **VIEW** (MENU OK).
2. Press **VIEW** (MENU OK) again to return to the thumbnail view of your photos.

Point, Click, and Send Pictures and Videos

Take a picture or record a video and send it to anyone with a compatible device in a few easy steps.

1. In standby mode, press and hold the **Camera** key ( ) to activate the camera.
2. The camera view finder screen displays.
3. Using the display as a viewfinder, take the desired picture or record the desired video by pressing **Take/Record** (MENU OK).

   Press **Stop** (MENU OK) to stop video recording.
4. Press **Send** (MENU OK). You are prompted to send the picture(s) or video to the phone's memory.

5. The **Create Pic Msg** or **Create Video Msg** screen appears in the display.
6. Enter the recipient's phone number or email address using the keypad.
7. Press **OK** (MENU OK) to save the address(es) and move to the **Subject** field. Use the navigation keys to move to the other message fields. For more information, refer to *"Messaging"* on page 49.
8. When you are finished composing your message, press **SEND** (MENU OK) to send the Picture or Video message to the intended recipients.

This section outlines your phone's multimedia functions and key features associated with multimedia.

Accessing Multimedia

1. In standby mode, press **Menu** (MENU OK), then select **Multimedia**. The following Multimedia sub-menus appear in the display:
   - **Camera** — Lets you launch and set up your phone's camera. (For more information, refer to *"Camera-Camcorder"* on page 68.)
   - **Camcorder** — Lets you launch and set up your phone's camcorder. (For more information, refer to *"Camera-Camcorder"* on page 68.)
   - **Music Player** — Lets you play and manage music files stored on a memory card.
   - **My Images** — Lets you choose the multi-media or pictures that appear in your phone's display.
   - **My Videos** — Lets you choose the videos that appear in your phone's display.
   - **My Ringtones** — Lets you assign melody tones for calls, alarms, and other alerts.
   - **My Sounds** — Lets you assign melody tones for calls, alarms, and other alerts.
2. Select a sub-menu to launch it. The following sections describe the above listed sub-menus in greater detail.

My Images

My Images lets you choose the pictures that appear in your phone's display while in standby mode (wallpaper) and as picture IDs for your contacts.

1. From the **Multimedia** menu, select **My Images**.

   If there are no pictures stored in your phone or on a memory card, "**Empty**" appears in the **My Images** screen. [To launch the camera to take a picture, press the **Camera** soft key. (For more information, refer to *"Camera-Camcorder"* on page 68.)]

   If there are pictures stored in your phone or on a memory card, up to four thumbnail images of your pictures appear in the display.

Tip: You can also access My Images from:

-The Camera screen, by pressing the **Gallery** soft key.

-The **Edit Contact** screen, by selecting the picture ID field and pressing the Set soft key.

2. Prior to viewing the picture file, press the **Options** soft key. A pop-up menu containing the following options appears in the display:
   - **Send** — Lets you send the selected image to a specified recipient in a Picture message.
   - **Set As** — Lets you assign the selected picture as the **Main Wallpaper**, the **Picture ID** for a Contact, or the **Front Wallpaper**.
   - **Erase Files** — Erases one or more selected, unlocked pictures.
   - **Move**— Moves the selected picture to the memory card. (a memory card must be inserted for this option to display).
   - **View by location**— Allows you to view All photos, photos saved to the Phone Memory, or photos saved to Card Memory.
   - **Rename** — Lets you rename the picture.
   - **Lock**—Locks the picture from being accidentally deleted.
   - **Slide Show** — Shows the available images as a sequence of full-screen pictures.
   - **Picture Info** — Displays information about the picture, such as the picture **Name**, creation **Date** and **Time**, **Resolution**, and the data **Size**.

   – or –

   Press **VIEW** (MENU OK) to expand the selected picture to fill the screen.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
   - **Send** — Lets you send the selected image to a specified recipient in a Picture message.
   - **Set As** — Lets you assign the selected picture as the **Main Wallpaper**, the **Picture ID** for a Contact, or the **Front Wallpaper**.
   - **Erase** — Erases one or more selected, unlocked pictures.
   - **Rename** — Lets you rename the picture.
   - **Lock**—Locks the picture from being accidentally deleted.
   - **Slide Show** — Shows the available images as a sequence of full-screen pictures.
   - **Picture Info** — Displays information about the picture, such as the picture **Name**, creation **Date** and **Time**, **Resolution**, and the data **Size**.
4. Select the desired option.
5. Press BACK to return to the previous menu, or press to return to standby mode.

My Videos

My Videos lets you take videos, review your videos, send them as video messages, and assign your videos as wallpaper on your phone.

1. From the **Multimedia** menu, select **My Videos**.

   If there are no videos stored in your phone or on a memory card, "**Empty**" appears in the **My Videos** screen.

   If there are videos stored in your phone or on a memory card, up to four thumbnail images from your videos appear in the **My Videos** screen.

2. To take a new video, press the **Video** soft key. The camcorder view finder screen appears in the display. For more information, refer to *"Camera-Camcorder"* on page 68.

3. To play a video, use the navigation keys to highlight a video, then press the **Play** soft key. The Video Player screen appears in the display and begins playing the highlighted video.

4. For more My Videos options, press the **Options** soft key. The following options appear in the display:

   - **Send** — Lets you send the selected video to a specified recipient in a Video message.
   - **Set As Main Wallpaper**— Lets you assign the selected video as the Main Wallpaper.
   - **Erase Files** — Erases one or more selected, unlocked videos.
   - **Move** — Lets you move the video from the phone to the memory card or from the memory card to the phone.
   - **View by Location** — Lets you view all videos or just the videos in your phone memory or card memory.
   - **Rename** — Lets you change the name of the video.
   - **Lock / Unlock** — Lets you protect the video from being deleted.
   - **Video Info** — Displays information about the video, such as the video **Name**, creation **Date** and **Time**, **Resolution**, data **Size**, and the **Duration**.

5. Select the desired option.

6. Press BACK to return to the previous menu, or press to return to standby mode.

Music Player

Music Player lets you play music files (such as, CMX, MIDI, MP3, AAC, AAC+, and eAAC+) stored on a Memory Card.

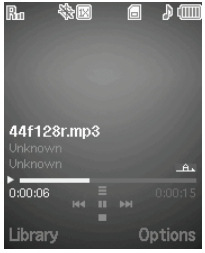
Note: A microSD Memory Card must be installed for the Music Player to launch. (For more information, refer to *"Memory Card (Optional)"* on page 8.)

Launching the Music Player Library Menu

1. From the **Multimedia** menu, select **Music Player**.

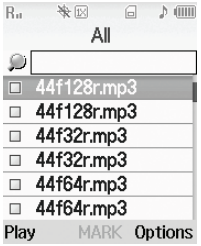
Tip: You can also directly access the Music Player by using the Music Player shortcut. In standby mode, press [ ].

The Music Player screen appears in the display.



2. To select a music file to play, press the **Library** soft key or the Library (Up navigation) key. Select one of the following Library options: Now Playing, All, Artists, Albums, or Playlists and press **OPEN**.

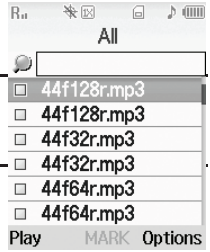
3. Highlight a music file, then:



- Press the **Play** soft key to play the file.
- Press **MARK** (MENU OK) to select the file for playing or other options.
- Press the **Options** soft key to select and apply any of the following options to the highlighted or marked music files(s):
  - **Mark All** — Marks all listed music files for playing, removal, or assignment of player settings.
  - **Erase** — Deletes highlighted or marked music file(s) from the Memory Card.
  - **Add to Playlist** — Adds the highlighted or marked music file(s) to a new or existing playlist.
  - **Song Info** — Lists the title, artist, album, genre, copyright information, time length, file size, and bitrate of the highlighted music file.
- Select the desired option.

Playing Music

1. From the **Multimedia** menu, select **Music Player**.



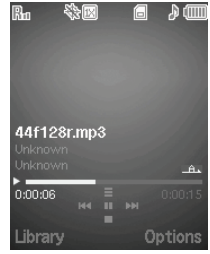
Tip: You can also directly access the Music Player by using the Music Player shortcuts. In standby mode, press [ ].

2. Press the **Library** soft key or the Library (Up navigation) key. Select one of the following Library options: Now Playing, All, Artists, Albums, or Playlists and press **OPEN**.
3. Highlight a music file, then:
   - Press the **Play** soft key to play the file.

   – or –

   - Press **MARK** ([MENU OK]) to select the file for playing, highlight and mark other music files for playing, then press the **Play** soft key to play the marked file(s).

The Music Player screen appears in the display and the selected music file begins playing.



Music Player Controls:

- **Volume key:**
  - – To play a music file louder, press the Volume key Up.
  - – To play a music file softer, press the Volume key Down.
- **Navigation key:**
  - – To pause/resume playing a music file, press [MENU OK].

Note: With the flip closed, use the key pad on the front of the phone to pause/resume playing a music file.

  - – To stop playing a music file, press the Down navigation key.
  - – To skip play to an earlier music file in the selected list, press the Left navigation key.
  - – To skip play to a later music file in the selected list, press the Right navigation key.
  - – To return to the selected list and choose another music file to play, press the Up navigation key.
- **Library** soft key — Returns you to the **Library** screen.

- **Options** soft key — Shows the following sub-menus and options:
  - **Play Mode** — Lets you change the play mode from Normal, Shuffle, Repeat One, or Repeat All.
  - **Add to Playlist** — Moves you to the **Playlists** menu to let you add the selected music file to a playlist.
  - **Remove From Playlist** — Temporarily drops the selected music file from the Library list. To restore the music file to the list, turn your phone off and back on again.
  - **Visual Supplements** — Lets you change the Music Player visualization to Simple View, Equalizer, Album Art, or Lyrics.
  - **Memory Info** — Displays the **Memory Usage** screen which lists Memory Card usage and availability amounts.
  - **Song Info** — Lists the title, artist, album, genre, copyright information, time length, file size, and bitrate of the highlighted music file.

4. Select the desired option to launch the option or to access the sub-menu.

My Ringtones

My Ringtones lets you assign ringtones (preloaded and downloaded) for calls, alerts, and as distinctive ringers for Contacts.

1. From the **Multimedia** menu, select **My Ringtones**. A list of ringtones appears in the display.

Tip: You can also access My Ringtones from:
-A **Set Alarm** screen by selecting the **Ringer** option, highlighting the second (file name) field, pressing the Left or Right navigation key, and selecting **My Ringtones**.

-The **Edit Contact** screen by selecting the **Ringtone** field, pressing the **Set** (left) soft key ( ), and selecting **My Ringtones**.

2. Use the navigation keys to highlight a particular ringtone.
   - Press MENU OK to **PLAY** the ringtone.
   - Press the **Info** soft key to show the file name and file type.
3. Press the **Set As** soft key to assign the highlighted ringtone.

   The following options appear in the display:
   - **Ringtone** — Lets you assign the selected ringtone to incoming voice calls.
   - **Contact ID** — Lets you assign the selected ringtone as the distinctive ringer for a Contact.
   - **Alert Tone** — Lets you assign the selected ringtone to **All Msg**, **Text Msg**, **Picture Msg**, or **Voicemail Msg**.
4. Select the desired option.
5. When using a downloaded ringtone, press the **Options** soft key and the following options appear in the display:
   - **Lock / Unlock** — Lets you prevent/permit file deletion.
   - **Erase** — Erases the selected file.

- **Erase All** — Erases all downloaded ringtones.
- **Ringtone Info** — Displays information about the selected file, such as the file name, the file type, and the data size.

6. Select the desired option.
7. Press BACK to return to the previous menu, or press to return to standby mode.

My Sounds

My Sounds lets you record voice memos and lets you assign preloaded and downloaded sound files as ringers for calls, alarms, and other alerts.

1. From the **Multimedia** menu, select **My Sounds**. **Record New** and a list of sound files appears in the display.

Tip: You can also access **My Sounds** from:
-A **Set Alarm** screen by selecting the **Ringer** option, highlighting the second (file name) field, pressing the Left or Right navigation key, and selecting **My Sounds**.

-The **Edit Contact** screen by selecting the **Ringtone** field, pressing the Set soft key, and selecting **My Sounds**.

Note: Recorded sound files (voice memos) do not appear in these lists.

2. Select the **Record New** option to record a voice memo. (For more information, refer to *"Voice Memo"* on page 90.)
3. Press the **Options** soft key.

- For a recorded sound file, a pop-up menu containing the following options appears in the display:
  - **Send** — Lets you send the selected sound file to a specified recipient in a Picture message.
  - **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text, Picture, or Voicemail messages.
  - **Rename** — Lets you rename the sound file.
  - **Lock / Unlock** — Lets you protect the sound file from being deleted.
  - **Erase All** — Erases all sound files.
  - **Sound Info** — Displays information about the sound file, such as the file name, file size, file type, date, and time.
- For a preloaded sound file, a pop-up menu containing the following options appears in the display:
  - **Send** — Lets you send the selected sound file to a specified recipient in a Picture message.
  - **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text, Picture, or Voicemail messages.
  - **Erase All** — Erases all sound files.
  - **Sound Info** — Displays information about the sound file, such as the file name, file type, and the data size.
- For a downloaded sound file, the following options appear in the display:

– **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text, Picture, or Voicemail messages.
– **Rename** — Lets you rename the sound file.
– **Lock / Unlock** — Lets you protect the sound file from being deleted.
– **Erase All** — Erases all sound files.
– **Sound Info** — Displays information about the sound file, such as the file name, file type, and the data size.

4. Select the desired option.
5. Press BACK to return to the previous menu, or press to return to standby mode.

Voice Memo

You can use your phone to record voice memos for later playback.

Note: The maximum length for a single voice memo is 60 seconds.

You can save as many voice memos as will fit in the empty memory capacity.

Record a Voice Memo

1. From the **Multimedia** menu, select **My Sounds → Record New**. The **Record New** screen appears in the display.
2. Press **REC** (MENU OK), then start speaking. As it is recording the phone displays a countdown timer that shows the seconds remaining for the recording.
   • To pause the memo, press the **Pause** soft key. When a memo is paused, select **Resume** to continue recording.
3. Press **SAVE** (MENU OK) once you're finished recording. The new recording is saved, and the standby mode screen appears in the display.

Review Voice Memos

If you've saved any voice memos, you can review them anytime.

1. In standby mode, press **Menu** (MENU OK), then select **Multimedia → My Sounds**. A list of sound files appears in the display.
2. Highlight the voice memo you wish to review.
3. Press **PLAY** (MENU OK) to play the voice memo.
   • To stop the memo, press **STOP** (MENU OK). Press MENU OK again to restart playing the memo.

   When the voice memo finishes playing, the selected voice memo remains highlighted in the list of sound files.

Erase One Voice Memo

1. In standby mode, press **Menu** (MENU OK), then select **Multimedia → My Sounds**. A list of sound files appears in the display.
2. Highlight the voice memo you wish to erase.
3. Press the **Erase** soft key. "**Erase Sound?**" appears in the display.
4. To erase the selected voice memo, press the **Yes** soft key. To retain the selected voice memo, press the **No** soft key.

Erase All Voice Memos at One Time

1. From the **Multimedia** menu, select **My Sounds**. A list of sound files appears in the display.
2. Use the navigation keys to highlight a voice memo.
3. Press the **Options** soft key. The following options appear in the display:
   - **Send** — Lets you send a copy of this voice memo as part of a picture message.
   - **Set As** — preloaded sound files only — Lets you set this sound file as a Ringtone, Contact ID ringer, or Alert Tone.
   - **Rename** — Lets you change the name of this voice memo.
   - **Lock/Unlock** — Blocks/permits erasure of this voice memo.
   - **Erase all** — Erases all unlocked sound files that are not preloaded.
   - **Sound Info** — Shows you the Title, File Size, File Type, and Date for this sound file.
4. Select **Erase all**. "**Erase All Sounds?**" appears in the display.
5. To erase all of the sound files, press the **Yes** soft key. To retain sound files, press the **No** soft key.

Section 12: Tools

This section explains how to use your phone's digital assistant functions to view today's calendar, schedule events, set reminders, perform calculations, and more.

Accessing Your Phone's Tools

To launch the Tools menu:

▶ In standby mode, press **Menu** (MENU OK) ➔ **Tools**.

The **Tools** menu appears in the display.

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection.

Unlike infrared, you don't need to line up the devices to beam information with Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

The Bluetooth wireless technology settings menu provides the ability to view and change the device name, show the visibility, and set the security for the device.

Turn Bluetooth On/Off

When the Bluetooth is turned on, you can use the Bluetooth features available. When the Bluetooth is turned off, you cannot send or receive information via Bluetooth. To save battery life or in situations where Bluetooth use is prohibited, such as airline traveling, you can turn off the Bluetooth wireless technology headset.

To turn Bluetooth support on:

▶ From the **Tools** menu, select **Bluetooth ➔ Bluetooth Settings ➔ Enable**.

"**Bluetooth set to on**" and the black Bluetooth On icon ( ) appear in the display.

To turn Bluetooth support off:

▶ From the **Tools** menu, select **Bluetooth ➔ Bluetooth Settings ➔ Disable**.

"**Bluetooth set to off**" appears in the display and the and the black Bluetooth On icon ( ) disappears.

Add New Device

To search for available Bluetooth devices:

1. From the **Tools** menu, select **Bluetooth → Add New Device**.

   If Bluetooth is off, you are prompted to "Turn Bluetooth on?". Press the **Yes** soft key to turn Bluetooth on.

Note: Press the **No** soft key to leave Bluetooth off and return to the **Bluetooth** sub menu.

   "**Place device you are connecting to in discoverable mode**" appears in the display.

2. Place the Bluetooth device in discoverable mode. (See the device user manual for more information.)
3. Press MENU OK. Your phone searches for available Bluetooth devices. The names of available devices appears in the display.
4. Highlight the device you want to pair with your phone.
5. Press **PAIR** (MENU OK) to pair the highlighted device with the phone. You are prompted to enter the passkey or PIN for the selected device.
6. Enter the device passkey or PIN and press MENU OK. (See the device user manual for more information.) Pop-up messages appear to inform you that pairing with the device and connecting to it are complete.

Note: If you are pairing and connecting to another phone or to a personal computer, both devices prompt for a passkey or PIN. To successfully pair and connect your phone with the other device, the same passkey or PIN must be entered on both devices.

Registered List

This menu provides a list of Bluetooth wireless technology devices discovered by your handset.

1. From the **Tools** menu, select **Bluetooth → Registered List**. A list of registered Bluetooth devices appears in the display.

Connecting to a Bluetooth Device

From the Registered List,

1. Select a device.
2. If you are unable to connect with the device a pop-up appears in the display. Press the **Yes** soft key to retry.

Disconnecting from a Bluetooth Device

From the Registered List,

▶ Highlight the device and press the **Off** soft key.

Managing Your Registered List

From the Registered List,

1. Highlight a device and press the **Options** soft key. The following options appear in the display:
   - **Remove Device** — Deletes the device from the Registered List.
   - **Rename Device** — Lets you change or replace the device name, as needed.
   - **Incoming Security** — Allows you to choose whether or not you will be asked before being connected to other Bluetooth devices.
   - **Device Info** — Shows the type of device, status, address, the date when it was paired with your phone, and the date the device was last connected with your phone.
   - **Get Files** — Lets you connect to another device to get images, videos, ringtones, or sounds.
   - **Send Name Card** — Allows you to send one or more selected Contacts entries to another compatible phone or other device over a Bluetooth connection.
2. Select the desired option.

Bluetooth Settings

Enable/Disable

Selecting this option turns Bluetooth on or off. (For more information, see *"Turn Bluetooth On/Off"* on page 92.)

Discovery Mode

Allows other users to see your accessibility. Select **On** for other devices to see your device, or **Off** for no visibility.

Device Name

Shows the handset name. You may change this name. Enter the text and press MENU OK.

Supported Profiles

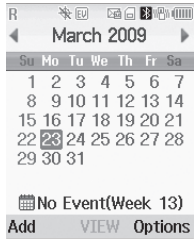
Lists the Bluetooth profiles your phone supports. Selecting a profile shows a description of that profile.

Device Info

Shows the Bluetooth Type, Status, and Address of your phone.

Calendar

Calendar allows you to view the current, past, or future month in calendar format. While viewing the calendar, the current date is highlighted, and days with scheduled events are surrounded by a box.



Navigating the Calendar

1. From the **Tools** menu, select **Calendar**.

   The calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Use the following controls to highlight a date in the Calendar screen:

   - **Left/Right navigation keys** — Move the highlighting back/ahead one day per keypress.
   - **Up/Down navigation keys** — Move the highlighting back/ahead one week per keypress.
   - **Up/Down volume keys** — Moves the date and screen back/ahead one month per keypress.

Add a New Event

1. From the **Tools** menu, select **Calendar**.

   The calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Navigate to a desired date. (For more information, refer to *"Navigating the Calendar"* on page 95.)

3. Press **Add**. The **New Event** screen appears in the display with the **Appointment Name** option highlighted.

4. Enter the **Appointment Name** using the keypad. (For more information, refer to *"Entering Text"* on page 45.)

5. Use the Up/Down navigation keys to highlight the following New Event options:

   - **Start Date** — Populated with highlighted Calendar date. To change the date, use the keypad.
   - **Start Time** — Populated with the current time (rounded to the nearest half-hour). To change the time, use the keypad.
     - Use the Left/Right navigation keys to select **AM** or **PM**.
   - **End Date** — Populated with highlighted Calendar date. To change the date, use the keypad.

- **End Time** — Populated with a time one half-hour later than the **Start Time**. To change the time, use the keypad.
  - Use the Left/Right navigation keys to select **AM** or **PM**.
- **Alert** — Select **Tone** / **Vibrate** using the Left/Right navigation keys.
  - To select a particular Tone, use the Up/Down navigation keys to highlight the current Tone and press the Left/Right navigation key. The **Alert Tone** menu appears in the display. (For more information, refer to *"Ringer Type"* on page 115.)
- **Reminder** — Select **Once** / **Every 2 Minutes** / **Every 15 Minutes** / **Off** using the Left/Right navigation keys.
- **Alert Time** — Select **15 Min. Before** / **30 Min. Before** / **1 Hour Before** / **3 Hours Before** / **5 Hours Before** / **1 Day Before** / **On Time** / **5 Min. Before** / **10 Min. Before** using the Left/Right navigation keys.

6. To store this Event in your Calendar, press **SAVE** (MENU OK). An alarm will notify you prior to the Event, if **Reminder** is set to a value other than **Off**.

View/Change an Event

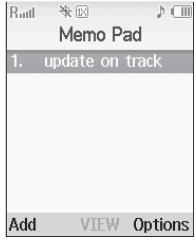
1. From the **Tools** menu, select **Calendar**.

   A calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Navigate to a desired date. (For more information, refer to *"Navigating the Calendar"* on page 95.)
3. To open the highlighted date and show a list of Events, press **VIEW** (MENU OK).
4. Highlight an Event to view, then press **VIEW** (MENU OK) to display the specifics of the highlighted Event.
5. To scroll the Event contents, use the Up/Down navigation keys.
6. To change the event details, press the **Edit** soft key. (For more information, refer to *"Add a New Event"* on page 95.)
7. To return to the Events list, press MENU OK.
8. For other options, press **Options**. The following options appear in the display:
   - **Monthly** — Returns you to the Calendar screen.
   - **Erase** — Remove this event from the Calendar.
   - **Erase All** — Erase all events from the Calendar.
9. Select an option to invoke its function.

Memo Pad

Create notes and store them in Memo Pad. Notes that you create in Memo Pad can't be prioritized or assigned an alert. Return to Memo Pad anytime to review and edit your notes.



Create a Memo

1. From the **Tools** menu, select **Memo Pad**. A list of any stored Memos appears in the display.
2. To add a Memo, press **Add**. A numbered **Memo** screen appears in the display.
3. Enter Memo text using the keypad. (For more information, refer to *"Entering Text"* on page 45.)
4. When you're finished entering details for the Memo, press MENU OK. The Memo is saved.
5. To discard this Memo and return to the **Memo Pad** screen, press **Cancel**.

Review, Edit, and Erase Memos

1. From the **Tools** menu, select **Memo Pad**. A list of any stored Memos appears in the display.
2. To review a Memo:
   - Highlight a Memo and press **VIEW** (MENU OK). The numbered **Memo** view screen appears in the display.
   - Use the Up/Down navigation keys to scroll the Memo text.
3. To edit a Memo:
   - From the **Memo Pad** screen, highlight the Memo and press **Options**. The following options appear in the display:
     - **Edit** — Change the currently highlighted Memo.
     - **Erase** — Erase the highlighted Memo.
     - **Erase all** — Erase all of the unlocked memos.
     - **Lock** / **Unlock** — Prevent/allow erasure of the highlighted Memo.

     Select **Edit**. The numbered **Memo** edit screen appears in the display.
   - From the **Memo** view screen, press **Edit**. The numbered **Memo** edit screen appears in the display.
   - Use the keypad to change the Memo text. (For more information, refer to *"Entering Text"* on page 45.)
   - When you're finished changing the Memo, press MENU OK. The changed Memo is saved.

4. To erase a Memo:

- From the **Memo Pad** screen, highlight the Memo and press **Options**. The following options appear in the display:
  - **Edit** — Change the currently highlighted memo.
  - **Erase** — Erase the highlighted memo.
  - **Erase all** — Erase all of the unlocked memos.
  - **Lock** / **Unlock** — Prevent/allow erasure of the highlighted memo.

  Select **Erase**. You are prompted to confirm the erasure.
- From the **Memo** view screen, press **Options**. The following options appear in the display:
  - **Erase** — Erase the Memo you are viewing.
  - **Add New Memo** — Add a new Memo to Memo Pad.
  - **Lock** / **Unlock** — Prevent/allow erasure of the Memo you are viewing.

  Select **Erase**. You are prompted to confirm the erasure.
- To erase the Memo, press **Yes**. To keep the Memo, press **No**.

Alarm Clock

Your phone has three alarm clocks that you can set to go off once, or to recur daily at a specific time. Once set, an alarm clock is easy to change or turn off completely.

Note: The Alarm Clock doesn't function when the phone is turned off. If the time for an alarm that was set for Once has elapsed while the phone is off, the alarm occurs at the specified time on the next day.

Set an Alarm

1. From the **Tools** menu, select **Alarm Clock**. The following options appear in the display:
   - **Alarm 1**
   - **Alarm 2**
   - **Alarm 3**
2. Select the alarm clock that you wish to set. The selected **Set Alarm** screen appears in the display with the **Alarm** option highlighted and with the current time showing above it.
3. Use the Up/Down navigation keys to highlight the following Set Alarm options:
   - **Alarm** — Use the Left/Right navigation keys to select **On** or **Off**.
   - **Time** — Populated with the current time. To change the time, use the keypad.
     - Use the Left/Right navigation keys to select **AM** or **PM**.
   - **Frequency** — Use the Left/Right navigation keys to select **Daily** / **Mon.–Fri.** / **Weekends** / **Once**.
   - **Ringer** — Select **Tone** / **Vibrate** using the Left/Right navigation keys.

– To select a particular Tone, use the Up/Down navigation keys to highlight the current Tone, then press the Left/Right navigation key. The **Alert Tone** menu appears in the display. (For more information, refer to *"Ringer Type"* on page 115.)

4. When you're finished entering the time and frequency for the alarm, press **SAVE**. If the Alarm is set to **On**, the alarm icon ( ) appears in the top of the display.

When an Alarm Sounds

An animated alarm clock appears in the display and an alert sounds when the specified time for the alarm arrives.

- To silence the alarm, press MENU OK.
- If the alarm was set as a **Daily** alarm, the alarm icon remains in the top of the display.
- If the alarm was set as a **Once** only alarm, the alarm icon disappears from the top of the display.

Turn Off an Alarm

1. From the **Tools** menu, select **Alarm Clock**. The following options appear in the display:
   - **Alarm 1**
   - **Alarm 2**
   - **Alarm 3**
2. Highlight the Alarm you wish to turn off, then press **Options**. The following options appear in the display:
   - **Off** — Disables the highlighted Alarm and retains the current settings.
   - **Reset Alarm** — Disables the highlighted Alarm and resets the Alarm settings to default values.
   - **Reset All** — Disables all Alarms and resets all Alarm settings to default values.
3. Select the desired option to turn the selected Alarm(s) off.

World Time

World Time lets you view the time of day or night in any of the 24 different time zones around the world.

Note: To use **World Time**, you need to subscribe to your Wireless Carrier's digital service.

1. From the **Tools** menu, select **World Time**. A world map appears in the display.
2. Use the Left/Right navigation keys to browse cities and their current times.

The following cities are supported.

EST: New York	**EST: Montreal**	**EST: Boston**
Caracas	**Brasilia**	**Mid Atlantic**
Cape Verde	**London**	**Paris**
Rome	**Berlin**	**Athens**
Helsinki	**Jerusalem**	**Moscow**
Baku	**Abu Dhabi**	**Tashkent**
Alma-ata	**Bangkok**	**Jakarta**
Hong Kong	**Beijing**	**Seoul**
Tokyo	**Guam**	**Sydney**
Okhotsk	**Wellington**	**Samoa**
Midway	**Honolulu**	**HAST: Hawaii**
AKST: Alaska	**PST: Seattle**	**PST: San Francisco**
PST: Los Angeles	**MST: Denver**	**MST: Arizona**
CST: Dallas	**CST: Chicago**	**CST: Houston**
CST: Mexico City	**EST: Detroit**	**EST: Washington D.C**

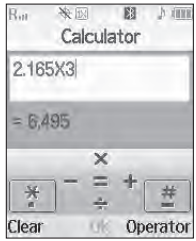
3. Do one of the following:
   - To set the selected city/time zone as the default time zone for your phone, press MENU OK.
   - To return to the **Tools** menu without changing the default time zone, press BACK.

Enable Daylight Savings Time (DST)

1. While viewing the World Time map, press the **Options** soft key. **DST Off** / **DST On** pops-up in the display.
2. Press MENU OK to accept the highlighted setting. If the DST icon (+1) appears in the display, it indicates that Daylight Savings Time is enabled.

Calculator

You can perform calculations, including addition, subtraction, multiplication and division using your phone.



1. From the **Tools** menu, select **Calculator**. The Calculator screen appears in the display.
2. Enter the first number in your equation using the keypad. (Numbers can be up to 9 digits long, and can include a decimal point followed by up to 3 more digits.)
   - Press * to enter a decimal point.
   - Press # to change the sign for a number to a negative.
3. Press **Operator** to add parentheses [( )] to your equation or to enter a **Power** exponent (^), such as, 3^2, which is the equivalent of 3^2.
4. Press the **Clear** soft key to clear current entries.
5. Use the Navigation keys (as shown in the **Calculator** screen) to set the type of calculation that you wish to perform. Your choices are as follows.
   - [**+**] Addition
   - [**x**] Multiplication
   - [**-**] Subtraction
   - [**÷**] Division
6. Use the keypad to enter the second number into your equation.
7. Press MENU OK to perform the calculation and view the result.

Stop Watch

You can use this function to set a stop watch.

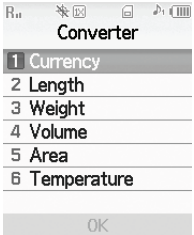
1. From the **Tools** menu, select **Stop Watch**. The **Stop Watch** screen appears in the display.
2. Press MENU OK to start, stop, and resume the Stop Watch count.

3. Press **Record** at the start of each succeeding event/lap to record the completion time for the previous event/lap. You can record up to eight event/lap times.
4. Press **Reset** to reset the Stop Watch and to erase all Stop Watch (lap) times recorded.

Converter

The conversion menu provides the following conversion categories:

- Currency
- Length
- Weight
- Volume
- Area
- Temperature



Using Converters

To convert a currency, length, weight, volume, area, or temperature, do the following:

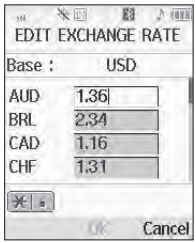
1. From the **Tools** menu, select **Converter**. The following list of converters appears in the display:
   - **Currency**
   - **Length**
   - **Weight**
   - **Volume**
   - **Area**
   - **Temperature**
2. Select the conversion feature you wish to use.
3. Use the Navigation key to select the units to be converted **From** and **To**.
4. Enter the quantity you want converted in the **From** field. The converted quantity appears in the **To** field.

Note: To include a decimal point, press the * key.

Currency — Reviewing/Editing Exchange Rates

The Currency Converter includes long-term average exchange rates as default values. To review and/or change a default exchange rate to the current exchange rate, do the following:

1. From the **Tools** menu, select **Converter** → **Currency**.



2. Press the **Rate** soft key. The **Exchange Rate** list appears in the display.
3. Press **EDIT** (MENU OK). The **Edit Exchange Rate** list appears in the display showing U.S. Dollar (USD)-based exchange rates.
4. Highlight a currency whose exchange rate you wish to change.
5. Use the keypad keys to change the selected U.S. Dollar (USD)-based exchange rate value.
6. Press MENU OK to save the changed exchange rate. The **Exchange Rate** list appears in the display.
7. To change any other exchange rates, repeat Steps 3 – 6.
8. Press the **Cancel** soft key to return to the **Converter** screen.

Currency — Adding Exchange Rates

You can use the Currency Converter to convert from and to obscure currencies by adding exchange rates for these currencies. To add a currency and its exchange rate to the Currency Converter, do the following:

1. From the **Tools** menu, select **Converter → Currency**.
2. Press the **Rate** soft key. The **Exchange Rate** list for the **From** currency appears in the display.
3. Press the **Add** soft key. The **Add Exchange Rate** screen appears in the display with the **Base** field highlighted.
4. Use the Left/Right navigation key to select the **Base** currency to be converted from.
5. Press the Down navigation key to highlight the **Currency** field.
6. Enter an identifier of up to 5 characters for the new currency using the keypad. (For more information, refer to *"Entering Text"* on page 45.)

7. Highlight the **Exchange Rate** field.
8. Enter a decimal exchange rate for the new currency using the keypad.

Note: Press the [*] key to enter the decimal point.

The **Exchange Rate** field only accepts up to five digits after the decimal point.

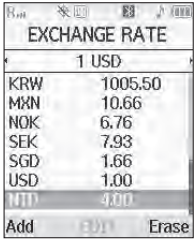
---

9. To add the new exchange rate to the list, press **SAVE**.

Currency — Erasing Exchange Rates

You cannot erase the preloaded currencies from the Exchange Rate list. You can erase a currency that you have added to the list by doing the following:

1. From the **Tools** menu, select **Converter → Currency**.
2. Press **Rate**. The **Exchange Rate** list for the **From** currency appears in the display.
3. Highlight the user-added currency exchange rate to be erased.



4. Press **Erase**. You are prompted to confirm the erasure.

Note: The **Erase** soft key is undefined for preloaded Exchange Rates. This prevents you from erasing them.

---

5. To erase the selected exchange rate, press **Yes**. To keep the selected exchange rate, press **No**.

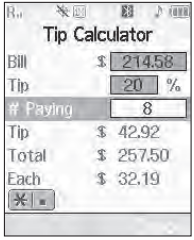
Tip Calculator

Tip Calculator automatically calculates the following amounts:

- Gratuity (tip)
- Individual payment (for groups)

Calculations are based on the total amount of the check, a selected gratuity percentage, and the number of people paying.

1. From the **Tools** menu, select **Tip Calculator**. The **Tip Calculator** screen appears in the display with the **Bill** field highlighted.
2. Enter the total amount of the bill using the keypad.



Note: To include a decimal point, press the * key.

3. If needed, press the Down navigation key to highlight the **Tip** field.
4. Enter a tip percentage using the keypad.
5. If needed, press the Down navigation key to highlight the **# Paying** field.
6. Enter the number of persons paying using the keypad.
7. The amount of the **Tip**, the bill **Total**, and the amount **Each** person should pay appear in the lower half of the screen.

This section explains how to use your phone's digital assistant functions to view today's calendar, schedule events, set reminders, perform calculations, and more.

Voice Service

Your R600 includes VoiceSignal, state-of-the-art voice recognition software that lets you use your voice to dial numbers, access your Contacts list, and open Tools. To access your phone's voice recognition, do the following:

1. From the **Main** menu, select **Menu** ➔ **Voice SVC**. The following options appear in the display:
   - **Voice Commands** — Lets you place calls, access your Contacts List, review your appointments, and more by speaking commands into your phone. (Also see *"Using Voice Dial"* on page 23. Also, see *"Voice Method"* on page 36. for more information.)
   - **Voice Settings** — Lets you tailor VoiceSignal to better respond to your voice and your phone use preferences. (For more information, refer to *"Digit Dialing"* on page 108.)
2. Highlight the desired sub-menu, then press [MENU OK].

Voice Commands

1. To access the Voice Commands menu, do one of the following:
   - In standby mode, press and hold [ ].
   - From the **Main** menu, select **Menu** ➔ **Voice SVC** menu, select **Voice SVC** ➔ **Voice Commands**.

Note: You can also set your phone to start VoiceSignal when you open the flip or connect an optional headset to the phone. (For more information, refer to *"Voice Launch"* on page 110.)

"**Say a Command**" appears in the display and is pronounced through the earpiece, followed by a list of available commands:

- **Call** — Lets you dial the phone by saying any name stored in your contact list, without ever having to record, or "train" that name. VoiceSignal automatically voice-activates all your contacts, even if you have hundreds of them stored on your phone. You can also dial any telephone number, even if it is not stored in your contact list, by saying the digits in the number. (For more information, refer to *"Using Voice Dial"* on page 23.)
- **Send Text** — Lets you access Create Text Message.
- **Send Picture** — Lets you access Create Picture Message.
- **Lookup** — Lets you find a Contact by name and review the Contact's information.

- **Go to** — Lets you access the following list of your phone's features and functions:
  - **Calls**
  - **Messages**
  - **Contacts**
  - **Multimedia**
  - **Browser**
  - **Next menu**
- **Check** — Lets you say a single command (such as "**Status**") to verify your phone's: **Status**, **Battery**, **Signal**, **Network**, or **My phone #**.

2. Speaking clearly, say the command that you want to use.

   If VoiceSignal does not recognize a command, it prompts you to repeat the command.

   If VoiceSignal still does not recognized the command, it tells you "**No match found**" and offers you the option of selecting **Settings** or **Repeat** before canceling voice recognition.

Voice Command Tips:

- Make sure you wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking on the phone.

Voice Settings

Choice Lists

When VoiceSignal cannot recognize a name or number, it displays a choice list of up to three possible choices, and prompts you to confirm the correct one.

You can select how VoiceSignal will use choice lists with name dialing, digit dialing, and contacts.

To change the way VoiceSignal uses choice lists:

1. From the **Main** menu, select **Menu** ➔ **Voice SVC** menu, select **Menu** ➔ **Voice SVC** ➔ **Voice Settings** ➔ **Choice Lists**.
2. Highlight the Choice List behavior you prefer:
   - **Automatic** — VoiceSignal displays a choice list only when it is not sure if it has correctly recognized the name or number.
   - **Always On** — VoiceSignal always displays a choice list, even when there is only one choice.
   - **Always Off** — VoiceSignal never displays a choice list.
3. Press the **OK** soft key or press MENU OK to accept the new setting. Press BACK to discard the new setting and return to the **Voice Settings** menu.

Sensitivity

1. From the **Main** menu, select **Voice SVC** ➔ **Voice Settings** ➔ **Sensitivity**.
2. Use the Up and Down navigation keys to adjust the selected Sensitivity setting incrementally between **Reject More** spoken commands or names and **Reject Less** spoken commands or names.
3. Press the **OK** soft key or press (MENU OK) to accept the new setting. Press [BACK] to discard the new setting and return to the **Voice Settings** menu.

Digit Dialing

If you regularly have trouble with VoiceSignal not recognize the numbers you say, try adapting digit dialing to your voice. Adapting can improve the accuracy of digit recognition, especially for people with strong regional accents.

Note: After you adapt Digit Dial, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the phone to factory defaults.

Adaptation involves recording several sequences of four digits each. The recording process takes about a minute.

Tips for Adapting Digit Dialing:

- Use Adapt Digits in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, and say each digit distinctly.
- If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that spoils the recording, re-record that sequence.
- Only adapt digits if you are regularly having problems with digit dialing. Once you adapt, digit dialing will not work as well for other people using your phone. (You can always reset digit adaptation to its original state, as described below.)

Adapt Digits

To adapt digit dialing, do the following:

1. From the **Main** menu, select **Menu** ➔ **Voice SVC** ➔ **Voice Settings** ➔ **Digit Dialing** ➔ **Adapt Digits**. Your phone displays text describing the Adapt Digits process.
2. Press the **OK** soft key or press (MENU OK). Your phone displays the first digit sequence and "**Please say**" plays through the speaker followed by the four digits appearing in the display.

3. Wait for the beep and say the digits using your normal tone of voice. After a moment, the phone plays back the recording and prompts "**Did the recording sound ok?**"
   - If the recording was good, say "**Yes**."
   - If you need to re-record, say "**No**."
   - If you want to exit this menu, say "**Cancel**."
   - If you did not understand the command say "**Repeat**."

   If you say "No," the phone prompts you to pronounce the digits again. Wait for the beep and then say the digits.

   Repeat this step until you're satisfied with the recording.
4. After confirming that the recording sounds "ok", continue the recording process with the next set of digits.
5. After 10 sets of digits, the phone asks whether you want to do more adaptation. Answer "**Yes**."
6. Repeat steps 4 and 5 for another 10 sets of digits. After the second group of 10 sets of digits, "**Adaptation complete**" plays through the speaker and you are returned to the **Digit Dialing** menu.

Reset Digits

To reset digit dialing to factory default settings, do the following:

1. From the **Main** menu, select **Menu ➔ Voice SVC ➔ Voice Settings ➔ Digit Dialing ➔ Reset Digits**. The phone prompts you to confirm digit reset.
2. Press the **OK** soft key or press MENU OK to reset your digit adaptation, or press the **Back** soft key or press BACK to cancel.

Sound

Sound lets you specify what (if any) text prompts you want your phone to read to you through the earpiece.

1. From the **Main** menu, select **Menu ➔ Voice SVC ➔ Voice Settings ➔ Sound**. The following options appear in the display:
   - **Prompts** — On/Off — Enables or disables audio prompts.
   - **Digits** — On/Off — Enables or disables digit playback.
   - **Names** — On/Off — Enables or disables name playback.
   - **Name Settings** — Lets you adjust the **Speed** (Faster or Slower) and **Volume** (Louder or Softer) of your phone's audio name playback.
2. Select the desired option.

3. Highlight the desired setting.
4. Press the **OK** soft key or MENU OK to accept the new setting. Press BACK to discard the new setting and return to the **Voice Settings** menu.

Voice Launch

To set the key or action that launches VoiceSignal, do the following:

1. From the **Main** menu, select **Menu** ➔ **Voice SVC** ➔ **Voice Settings** ➔ **Voice Launch**. The following options appear in the display:
   - **Key Only** — Press and hold PTT to activate VoiceSignal for one call.
   - **Key/EarMic** — Attach a headset to your phone. Press and hold PTT or press and hold the button on the headset to activate VoiceSignal.
   - **Key/Flip** — Open the flip or press and hold PTT to activate VoiceSignal.
2. Highlight the option you want.
3. Press the **OK** soft key or press MENU OK to accept the new setting. Press BACK to discard the new setting and return to the **Voice Settings** menu.

About

This option causes the About VoiceSignal screen to appear in the display, showing version and build information about the VoiceSignal software included on your phone.

▶ From the **Main** menu, select **Voice SVC** ➔ **Voice Settings** ➔ **About**.

The **About VoiceSignal** screen appears in the display showing the version level of the VoiceSignal software currently installed on your phone.

This section explains how to customize your phone to suit your needs and preferences.

Settings Menu

▶ To access the **Settings** menu, press **Menu** (MENU OK), then select **Settings**. The **Settings** menu appears in the display.

Location

This function identifies your location to the network via the Global Positioning System (GPS). You can set this function for continuous operation or to operate only in the event that you dial 911.

Note: Contact your Wireless Carrier to determine whether, when, or where location-based services are available.

1. From the **Settings** menu, select **Location**. The following options appear in the display:
   - **Location On** — GPS location setting is on whenever you make or receive a call, wherever the feature is available.
   - **911 Only** — GPS location setting is on only when you dial 911.
2. Select the desired Location setting. You're returned to the **Settings** menu.

Display Settings

Using the **Display** menu, you can set the standby mode animation, customize the backlight settings, and more.

1. From the **Settings** menu, select **Display Settings**. The following options appear in the display:
   - **Wallpaper** — Lets you choose the picture(s) that display(s) on your phone when in standby mode.
   - **Clock Format** — Lets you choose whether to show the time in the display in digital or analog format.
   - **Theme** — Lets you select the main menu color scheme.
   - **Dialing Font Size** — Lets you choose how the number will display on the display screen.
   - **Banner** — Lets you create your own personalized greeting that appears in the display when your phone is in standby mode.
   - **Backlight** — Lets you set backlight options for the LCDs, keypad, and set the brightness.
   - **Front Contrast** — Lets you set the contrast for your phone's front display.
2. Select the desired sub-menu. The following sections describe the Display sub-menus in greater detail.

Wallpaper

Wallpaper lets you choose the pictures that appear in your phone's displays while in standby mode.

1. From the **Settings** menu, select **Display Settings** ➔ **Wallpaper**. The following options appear in the display:
   - **Main Screen**
   - **Front Screen**

Note: When you select **Front Screen**, your Wallpaper selection automatically changes the **Clock Format** setting for the **Front Clock** to **Off**.

2. Select the Main Screen, and the following options appear in the display:
   - **My Images** — Choose a picture to appear in the display when the phone is in standby mode.
   - **My Videos** — Choose a video to appear in the display when the phone is in standby mode.
   - **Preset Images** — Choose a preset image to appear in the display when the phone is in standby mode.
3. Select the Front Screen and the following options appear in the display.
   - For **My Images** and **Preset Images** up to four pictures or images appear in the display.
4. Select a picture or image to display when the phone is in standby mode.

Clock Format

Clock Format lets you choose whether to show the time in the display in digital or analog format. You can set both the Main Clock and the Front Clock.

1. From the **Settings** menu, select **Display Settings** ➔ **Clock Format**.
2. Select **Main Clock** or **Front Clock**. The **Digital** option will be displayed. Scroll to the right to see the following options:
   - **Digital** — The current time appears as large numbers on the second line from the top of the display (Main Clock) or in the center of the display (Front Clock).
   - **Analog** — The current time appears as sweep hand positions on a clock image. Individual hours appear as Roman numerals (**I** – **XII**).
   - **Off** — The current time appears as small numbers on the second line from the bottom of the display (Main Clock) or in the center of the display with the Front Screen Wallpaper in the background.

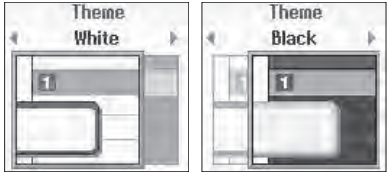
Note: The **Clock Format** setting for the **Front Clock** automatically changes to **Off** when you change the **Wallpaper** setting for the **Front Screen**. (For more information, refer to *"Wallpaper"* on page 112.)

3. Highlight the desired setting, then press MENU OK to save the setting.

Theme

Theme lets you select the color scheme your phone uses to highlight menu items and scroll bar positions.

1. From the **Settings** menu, select **Display Settings** → **Theme**. The following options appear in the display:



2. Select the desired theme. You are returned to the **Display Settings** menu, now showing the selected theme.

Dialing Font Size

Dialing Font Size adjusts the size of the numbers that appear in the dialing screen when you dial more than 10 digits. This lets you see as many of the digits you've dialed as possible.

1. From the **Settings** menu, select **Display Settings** → **Dialing Font Size**.

   The following options appear in the display:

   - Normal
   - Large

2. Select the desired dialing font size value.

Banner

Create your own personalized greeting that appears in the display while your phone is in standby mode.

1. From the **Settings** menu, select **Display Settings** → **Banner**. The **Banner** text entry screen appears in the display.

Note: If necessary, press and hold BACK to erase an existing banner.

2. Enter a word or short phrase (up to 18 characters) to appear in your phone's display while in standby mode. (For more information, refer to *"Entering Text"* on page 45.)
3. Press MENU OK to save the new banner.

Backlight

You can set the backlight for your display or keypad to remain on or off or to remain on for a specified period of time.

Note: Prolonged backlight use drains your battery faster.

1. From the **Settings** menu, select **Display Settings** ➔ **Backlight**. The following sub-menus appear in the display:
   - **Main Display** — Sets the amount of time the main display backlight remains on with the phone idle. Optional settings are 7, 15, and 30 Seconds and Always On (this setting uses much more power than the timed settings) and Always Off.
   - **Keypad** — Sets the amount of time the main display backlight remains on with the phone idle. Optional settings are 7, 15, and 30 Seconds and Always On (this setting uses much more power than the timed settings) and Always Off.
   - **Brightness** — Use the Left and Right soft keys to select between any of 5 optional settings.
   - **Charging Light** — Sets the backlight to On or Off while a charger is connected to the phone.
2. Select a Backlight option a setting for the option.

Front Contrast

Set the Front (Sub) LCD contrast to your preference.

1. At the **Settings** menu, select **Display Settings** ➔ **Front Contrast**. The **Front Contrast** screen appears in the display.
2. Use the Left and Right navigation keys to adjust the contrast for the Front Display. The results of your adjustments appear in the display.
3. Press MENU OK to save your new contrast setting.

Sounds Settings

The Sounds Settings menu provides a variety of options to customize audio properties for such things as ringers, keypad tones alerts, and more.

Volume

You can set the volume setting on your phone. This setting if for all sounds other than the ring tones.

1. From the **Settings** menu, select **Sounds Settings** ➔ **Volume**.

   Options are:

   - Voice Calls
   - Messages

- Alarms

:

- **Vibrate**
- **Low**
- **Low/Medium**
- **Medium**
- **Medium/High**
- **High**
- **Vibrate/High**
- **Ringer Off**

2. Use the Left and Right navigation keys to select the setting you wish. When you are satisfied with the setting, press **SET** (MENU OK). Your phone returns to the Sounds Settings menu.

Ringer Type

You can assign ringer types and melody tones for calls, alarms, and other alerts, in the Ringer Type sub-menu.

1. From the **Settings** menu, select **Sounds Settings → Ringer Type**.

   The following options appear in the display:

   - **Voice Calls** — Lets you set which ringtone, sound file, and/or one of a set of ringtones and/or sound files plays when you receive a voice call.
   - **Messages** — Lets you set which ringtone or sound file plays when you receive a Text Message, Picture/Video Message, and/or Voicemail message.
   - **Roam Ringer** — Lets you set which ringtone or sound file plays when the phone is roaming.

2. Select the desired sub-menu. The following sub-menu options appear in the display:

   - For **Voice Calls**, the following options appear in the display:
     - **My Ringtones**
     - **My Sounds**
   - For **Messages**, the following options appear in the display:
     - **Text Message**
     - **Picture/Video Message**
     - **Voicemail**
   - For **Roam Ringer**, the following options appear in the display:
     - **My Ringtones**
     - **My Sounds**

3. Select the desired sub-menu option, then select the desired ringer.

Alerts

You can set your phone to sound an alert whenever you enter or leave your service area, connect or disconnect a call, as well as other options.

1. From the **Settings** menu, select **Sounds Settings** ➔ **Alerts**.

   The following Alerts options appear in the display:

   - **Minute Beep** — Sounds an alert ten seconds before each elapsed minute of a call.
   - **Roaming** — Sounds an alert when you leave your home service area during a call.
   - **Call Connect** — When you make a call, an alert sounds when the call is answered.
   - **Power On/Off** — Plays a melody when the phone is being turned on or off.
2. Select the desired Alert option.
3. Select the desired value for the selected Alert.

Key Tone

Key Tone lets you adjust the volume level and length of tone that the keypad generates each time you press a key.

1. From the **Settings** menu, select **Sounds Settings** ➔ **Key Tone**. The following sub-menus appear in the display:
   - **Tone Level** (volume)
   - **Tone Length**
2. Select the desired Key Tone sub-menu.
   - For **Tone Level**, do the following:
     - Use the Volume keys or Navigation key to set the keypad tones volume.
     - Press MENU OK to save your setting and return to the **Key Tone** sub-menu.
   - For **Tone Length**, do the following:
     - Highlight **Normal** or **Long**.
     - Press MENU OK to save your setting and return to the **Key Tone** sub-menu.

Call Settings

Call Answer

You can select a specific answer mode when you receive an incoming call.

1. From the **Settings** menu, select **Call Settings** ➔ **Call Answer**.

   The following call answer settings appear in the display:

   - **Any Key** — Press any key except the ⌐ or Left soft key to answer an incoming call.
   - **Talk Key** — Press ⌐ to answer an incoming call.
   - **Flip Open** — Open the flip or press ⌐ to answer an incoming call.

Tip: You can set your phone to answer calls automatically, without any input from you. (For more information, refer to *"Auto Answer"* on page 117.)

2. Select the desired call answering method.

Call Alert

1. From the **Settings** menu, select **Call Settings → Call Alert**.

   The following Call Alert settings appear in the display:

   - **Ring Only** — Phone rings for an incoming call.
   - **Caller ID + Ring** — Phone rings and the display shows caller ID for an incoming call.
   - **Name Repeat** — Phone repeats displaying Contact name or caller ID.
2. Select the desired call alerting method.

Auto Answer

Auto Answer enables your phone to automatically answer calls after a period of time that you specify.

1. From the **Settings** menu, select **Call Settings → Auto Answer.** The following settings appear in the display:

   - **Off** — Disables automatic answering of calls
   - **After 1 Second** — Phone automatically answers calls after 1 second
   - **After 3 Seconds** — Phone automatically answers calls after 3 seconds
   - **After 5 Seconds** — Phone automatically answers calls after 5 seconds
2. Select the desired call automatic answering method.

Auto Retry

Auto Retry automatically re-dials a number if the connection fails. Depending upon your location, the number of times your phone automatically dials the number may vary.

1. From the **Settings** menu, select **Call Settings → Auto Retry**. The following settings appear in the display:

   - **Off** — Disables automatic re-dialing of numbers
   - **Every 10 Seconds** — Phone automatically re-dials a number every 10 seconds
   - **Every 30 Seconds** — Phone automatically re-dials a number every 30 seconds
   - **Every 60 Seconds** — Phone automatically re-dials a number every 60 seconds
2. Select the desired call automatic retrying method.

TTY Mode

Your phone is fully compatible with TTY equipment used by those who are hearing impaired. TTY equipment is connected to your phone through the power/accessory connector on the left side of the phone. TTY Mode must be enabled before you can use your phone with a TTY device.

1. From the **Settings** menu, select **Call Settings → TTY Mode**. You are prompted to confirm you want to change the current TTY Mode setting.

Note: The "**Enabling TTY may impair headset use and non-TTY accessory performance**" message pops up when you select **TTY Mode**.

2. To access the TTY Mode settings, press the **Yes** soft key. To return to the **Call Settings** sub-menu, press the **No** soft key.
3. If you press the **Yes** soft key, the following settings appear in the display:
   - **TTY Full** — Enables TTY mode and disables microphone and earpiece.
   - **TTY+Talk** — Enables TTY mode and microphone.
   - **TTY+Hear** — Enables TTY mode and earpiece.
   - **TTY Off** — Disables TTY mode.
4. Select the desired TTY Mode.

Note: The TTY icon ( ) appears in the top of the display when the phone is in standby mode.

Voice Privacy

Voice Privacy when enabled (that is, set to **Enhanced**), turns on advanced voice encryption.

1. From the **Settings** menu, select **Call Settings → Voice Privacy.** The following settings appear in the display:
   - **Standard** — Voice privacy is disabled
   - **Enhanced** — Voice privacy is enabled
2. Select the desired Voice Privacy setting.

Data Settings

Use the Data Settings menu to configure data connection settings.

1. From the **Settings** menu, select **Call Settings → Data Settings**. The following settings appear in the display:
   - **Data Off** — No incoming data calls accepted.
   - **Data For Next Call** — Wait for data call for the next 10 minutes.
   - **Data Until Powered Off** — Data calls only, no voice calls accepted, until you power the phone off and on again.
2. Select the desired data call connection setting.

Phone Settings

Airplane Mode

When set to **On**, Airplane Mode disables all radio functions of your phone. This prevents you from receiving or making calls (except emergency calls), but allows you to use other features (such as the camera and the Tools) safely in sensitive environments, such as on board an aircraft.

1. From the **Settings** menu, select **Phone Settings** ➔ **Airplane Mode**.The following settings appear in the display:
   - **On** — Disables the radio transmitter and receiver in your phone
   - **Off** — Enables the radio transmitter and receiver in your phone
2. Select the desired Airplane Mode setting.

Language

The language option on your phone can change the language of voice prompts, menus, and key-input.

1. From the **Settings** menu, select **Phone Settings** ➔ **Language**. The following settings appear in the display:
   - **English**
   - **Spanish**
2. Select the desired Language setting.

Security

Use the Security menu to lock your phone, set up emergency numbers, set restrictions, as well as other security options.

Lock Phone

Locking the phone limits all outgoing calls except calls to 911 emergency and the three user-programmable emergency numbers. You can lock the phone manually during use, or set the phone to lock automatically when it is turned on. With the phone in lock mode, you can answer incoming calls, but you must unlock the phone to place outgoing calls (except to emergency and secret numbers).

1. From the **Settings** menu, select **Phone Settings** ➔ **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code, then select **Lock Phone**. The following phone Lock mode settings appear in the display:
   - **Lock** — Locks the phone immediately (The phone stays locked until you enter the lock code.)
   - **Unlock** — Unlocks the phone.
   - **On Power Up** — The phone locks automatically the next time your phone is powered ON (The phone stays locked until you enter the lock code.)

3. Select the desired phone Lock mode setting.

Tip: You can manually lock your phone by pressing and holding . (For more information, refer to *"Lock Mode"* on page 16.)

Change Lock Code

The default lock code for your phone is generally the last four digits of your phone number. It is advisable to change the default lock code to a secret code for security purposes.

1. From the **Settings** menu, select **Phone Settings** ➔ **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code, then select **Change Lock Code**. You're prompted to enter the new lock code.
3. Enter the new lock code. You're prompted to re-enter the new lock code for verification.
4. Enter the new lock code again. Your new Lock Code is stored.

Note: Your phone does not allow you to view the Lock Code for obvious security reasons. If you change the Lock Code, be sure to write down or memorize the new code.

Emergency

Your phone provides the option of storing three emergency numbers. Each number can be up to 32 digits in length. All emergency numbers can be manually called at any time, even when your phone is locked or restricted. This can be a useful feature for controlling outgoing calls from your phone.

Note: Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

Store Emergency Numbers

1. From the **Settings** menu, select **Phone Settings** ➔ **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code, then select **Emergency #**.
3. Select from the three emergency number entries.
4. Enter an emergency number (up to 32 digits in length).
5. Press MENU OK to save the number that you entered.

Call Emergency Numbers in Lock Mode

1. In standby mode, enter the emergency number.
2. Press the call key to place the call.

Reset Phone

Reset Phone returns all Settings to their factory default values.

1. From the **Settings** menu, select **Phone Settings** ➔ **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code, then select **Reset Phone**. You are prompted to confirm that you want to restore default settings (except for the Contacts and Voice Dial).
   - To return to the **Security** sub-menu without resetting the phone, press the **No** soft key.
   - To restore default settings, press the **Yes** soft key.

Erase All Contacts

Erase memory erases your Contacts and Group information (except Default). This feature is useful if you want to give your phone to someone else.

1. From the **Settings** menu, select **Phone Settings** ➔ **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code, then select **Erase All Contacts**. You are prompted to confirm erasure of all Contacts entries.

Note: This procedure does not delete your Photo Gallery. The Photo Gallery needs to be deleted separately.

3. To erase all entries, press the **Yes** soft key. To keep the current entries and return to the **Security** sub-menu, press the **No** soft key.

Restrictions

Restrictions lets you restrict the use of your phone for outgoing calls, incoming calls, and calls placed from your Contacts.

1. From the **Settings** menu, select **Phone Settings** ➔ **Security**. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

2. Enter the lock code, then select **Restrictions**.
3. Select **Outgoing Calls** or **Incoming Calls**. The following options appear in the display:
   - **Allow All** — No restriction on selected calls.
   - **Allow None** — Restrict (block) all selected calls.
   - **Allow Contacts** — Restrict selected calls from/to numbers not in your Contacts list.
4. Select the desired call Restrictions setting.

NAM Selection

The Network menu allows you to select **NAM** (Number Assignment Module) settings for your phone. You can store two **NAM** settings, which are essentially telephone numbers, for your phone.

1. From the **Settings** menu, select **Phone Settings** ➔ **NAM Selection**. The following options appear in the display:
   - **NAM1** — Your service contract has one phone line.
   - **NAM2** — Your service contract has two phone lines.
2. Select the desired NAM setting. The phone powers itself off and back on.

System Select

The **System Select** menu allows you to select the roaming setting for your phone.

1. From the **Settings** menu, select **Phone Settings** ➔ **System Select**.

   The following roaming options appear in the display:

   - **Home only** — Your phone is available for normal operation only within your designated coverage area.
   - **Automatic** — Your Wireless Carrier's Preferred Roaming List (PRL) of networks is used to acquire service. If no preferred networks are found, any digital system is acquired.

2. Select desired roaming option.

Set Time

Use the **Set Time** option to set the current date and time.

Note: In digital service mode, the Set Time feature is disabled. The network adjusts time and date automatically.

With **Airplane Mode** set to **On**, this function is enabled. In digital service mode, setting **Airplane Mode** to **Off** also disables Set Time. (For more information, refer to *"Airplane Mode"* on page 119.)

---

1. From the **Settings** menu, select **Phone Settings → Set Time**. The following options appear in the display:
   - **Set Date**
   - **Set Time**
2. Select the desired option.
   - For **Set Date**, the **Set Date** screen appears in the display.
     – Enter the current date using your keypad.
     The month and day must be entered using two digits each. The year must be entered using all four digits.
     – Press [MENU OK] to save your date setting.
   - For **Set Time**, the **Set Time** screen appears in the display.
     – Enter the current time using your keypad.
     The hour and minute must be entered using two digits each and in 12/24-hour format.
     – Use the Left and Right navigation keys to select **AM**, **PM**, or **24 Hours**.
     – Press [MENU OK] to save the your time setting.

Quick Search

Quick Search is an easy way to locate Menu items and Contacts.

1. From the **Settings** menu, select **Phone Settings → Quick Search**. The following options appear in the display:
   - **On** — Quick Search is enabled.
   - **Off** — Quick Search is disabled.
2. Select the desired Quick Search setting.

Searching for a Menu Item

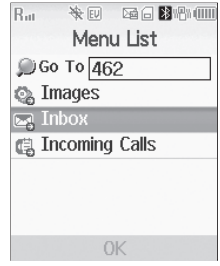
1. In standby mode, press the first few numeric keys that correspond to the letters of the menu item name.

   For example, to search for "Inbox" you could enter:

   [4 GHI] [6 MNO] [2 ABC]

   I N B

2. Press the Down navigation key. The **Menu List** screen appears in the display with



the first menu item matching your entry highlighted.

3. Select the desired menu item.

Tip: If the menu item you are searching for does not appear in the **Menu List** screen, try expanding your search by pressing the BACK key to delete the last digit of your entry.

Searching for a Contact

1. In standby mode, press the first few numeric keys that correspond to the letters of the Contact name.

   For example, to search for "Sally" you could enter:

   7 PQRS 2 ABC 5 JKL

   S A L

2. Press the Up navigation key. The Find screen appears in the display with the first Contact name matching your entry highlighted.

3. Select the desired Contact and press the Send key to call the contact.

PC Connection

This menu selects the method of communication for the USB port, the options include:

- **USB Mass storage**: allows you to use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.
- **USB Modem**: allows you to use the phone as a wireless modem for communication between a computer and the Internet.

Note: You are unable to connect to PC Studio when the Mass Storage option is selected.

Shortcut Key

You can program the Shortcut Key and use it as a shortcut to your favorite application(s).

1. From the **Settings** menu, select **Phone Settings** ➔ **Shortcut key**.
2. Select Up Key, Right Key, Down Key, or Left key.
3. Highlight one of the following and press MENU OK to assign the shortcut to the key:

- Brew
- Browser
- New Text Msg
- New Pic Msg
- Inbox
- Contacts
- Recent Calls
- Voice Command
- My Images
- My Ringtones
- My Sounds
- My Videos
- Calendar
- Memo Pad
- Alarm Clock
- World Time
- Calculator
- Stop Watch
- Voice Recording
- Camera
- Converter
- Tip Calculator

Memory Info

Memory Info lets you quickly and easily review and manage your phone memory usage. To access **Memory Info**, do the following:

▶ From the **Settings** menu, select **Memory Info**. The following options appear in the display:

- **Save Options** — Lets you specify whether your images and videos will be stored in your phone or on an optional Memory Card.
- **Phone Memory** — Lets you review your phone's available memory and manage your files stored there.
- **Card Memory** — Lets you review a removable Memory Card's available memory, manage your files stored there, and format new Memory Cards.

Save Options

Lets you specify where you want your images and videos stored. To access **Save Options**, do the following:

1. From the **Settings** menu, select **Memory Info** ➔ **Save Options**. The following file type options appear in the display:
   - **Images**
   - **Videos**
2. Select the desired file type. The following storage options appear in the display:

- **Phone Memory** — saves the selected type of files in your phone's memory.
- **Card Memory** — saves the selected type of files in a removable microSD memory card.

3. Select the desired storage location. "**Images/Videos set**" appears in the display, and you are returned to the **Save Options** menu.

Phone Memory

Lets you review your phone's available memory and manage your files stored there.

Memory Usage

Memory Usage lets you review your usage of your phone's memory.

1. From the **Settings** menu, select **Memory Info** → **Phone Memory** → **Memory Usage**. The Memory Usage screen appears in the display showing the following information:
   - **Total Used** memory usage
   - **Available** unused memory
   - **My Images** memory usage
   - **My Videos** memory usage
   - **My Ringtones** memory usage
   - **My Sounds** memory usage
   - **Applications** memory usage
   - **Pic/Video Msg** memory usage
2. Press MENU OK to return to the **Phone Memory** menu.

Freeing Memory

Phone Memory sub-menus let you list files in your multimedia folders and let you erase or move files as needed to free up memory on your phone for reuse.

1. From the **Settings** menu, select **Memory Info** → **Phone Memory**. The Phone Memory screen appears in the display listing the following options:
   - **Memory Usage**
   - **My Images**
   - **My Videos**
   - **My Ringtones**
   - **My Sounds**
2. Select the desired sub-menu. A list of all files in the related folder appears in the display.

   Files are listed by name, and each file entry shows the name and size of each file.

3. To erase files, do the following:

- Press the **Options** soft key. The following options appear in the display:
  - **Erase**
  - **Move**
- Select **Erase**.
- Highlight a file you want to erase, then press MENU OK to mark the file for erasure. (Press the **Mark All** soft key to mark all files for erasure.)
- Press the **Done** soft key. You are prompted to confirm erasure of the selected file(s).
- Press the **Yes** soft key to erase all marked files or press the No soft key to return to the **Erase** screen.

4. To move files to the Memory Card, do the following:

- Press the **Options** soft key. The following options appear in the display:
  - **Erase**
  - **Move**
- Select **Move**
- Highlight a file you want to move, then press MENU OK to mark the file for moving. (Press the **Mark All** soft key to mark all files for moving.)
- Press the **Done** soft key. You are prompted to confirm moving the selected file(s) to the Memory Card.
- Press the **Yes** soft key to move all marked files or press the **No** soft key to return to the **Move** screen.

5. Press BACK to return to the **My Images / Videos / Ringtones / Sounds** sub-menu. Press the power key to return to standby mode.

Card Memory

Card Memory lets you review a removable, microSD Memory Card's available memory, manage your files stored there, and format new microSD Memory Cards.

Memory Usage

Memory Usage lets you review your usage of your Memory Card.

1. From the **Settings** menu, select **Memory Info → Card Memory → Memory Usage**. The Memory Usage screen appears in the display showing the following information:
   - **Total Used** memory usage
   - **Available** unused memory
   - **My Images** memory usage
   - **My Videos** memory usage
   - **My Music** memory usage
2. Press MENU OK to return to the **Card Memory** menu.

Freeing Memory

Card Memory sub-menus let you list files in your multimedia folders and let you erase or move files as needed to free up space on your Memory Card for reuse.

1. From the **Settings** menu, select **Memory Info → Card Memory**. The Card Memory screen appears in the display listing the following options:
   - **Memory Usage**
   - **My Images**
   - **My Videos**
   - **My Music**
   - **Format Card**
2. Select the desired sub-menu. A list of all files in the related folder appears in the display.

   Files are listed by name, and each file entry shows the name and size of each file.
3. To erase Image and Video files, do the following:
   - Press the **Options** soft key. The following options appear in the display:
     - **Erase**
     - **Move**
   - Select **Erase**.
   - Highlight a file you want to erase, then press MENU OK to mark the file for erasure. (Press the **Mark All** soft key to mark all files for erasure.)
   - Press the **Done** soft key. You are prompted to confirm erasure of the selected file(s).
   - Press the **Yes** soft key to erase all marked files or press the **No** soft key to return to the **Erase** screen.
4. To erase Music files, do the following:
   - Press the **Erase** soft key.
   - Highlight a Music file you want to erase, then press MENU OK to mark the file for erasure. (Press the **Mark All** soft key to mark all Music files for erasure.)
   - Press the **Done** soft key. You are prompted to confirm erasure of the selected file(s).
   - Press the **Yes** soft key to erase all marked files or press the **No** soft key to return to the **Erase** screen.
5. To move image and video files to the phone, do the following:
   - Press the **Options** soft key. The following options appear in the display:
     - **Erase**
     - **Move**
   - Select **Move**.

- Highlight a file you want to move, then press MENU OK to mark the file for moving. (Press the **Mark All** soft key to mark all files for moving.)
- Press the **Done** soft key. You are prompted to confirm moving the selected file(s) to the phone.
- Press the **Yes** soft key to move all marked files or press the **No** soft key to return to the **Move** screen.

6. Press BACK to return to the **My Images / Videos / Music / Format Card** sub-menu. Press the power key to return to standby mode.

Formatting a Memory Card

Formatting a microSD Memory Card erases any data currently on the card and creates multimedia directories compatible with your phone. To format a Memory Card, do the following:

1. From the **Settings** menu, select **Memory Info ➔ Card Memory ➔ Format Card**. You are prompted to confirm formatting of the Memory Card.
2. Press the **Yes** soft key to format the Memory Card or press the **No** soft key to return to the **Card Memory** screen.

Phone Info

Phone Info lets you identify the hardware and software versions of your phone and to identify the phone number assigned to your phone.

Accessing Your Phone's Information

To launch the Phone Info menu:

1. From the **Settings** menu, select ➔ **Phone Info**.

   The **Phone Info** menu appears in the display.

Phone Number

The Phone Number option lets you review the ten-digit number assigned to your phone by your Wireless Carrier and other information useful when contacting Customer Service.

1. From the **Phone Info** menu, select **Phone Number**. The Phone number screen appears in the display listing the following information:
   - **Phone Number** assigned by your Wireless Carrier.
2. Press MENU OK to return to the **Phone Info** menu.

Icon Glossary

This option causes the **Icon Glossary** list to appear showing the icons that can appear in the display and the names of the icons.

1. From the **Phone Info** menu, select **Icon Glossary**. A list of the icons that can appear on the top line of the display appears in the display.
2. Press MENU OK to return to the **Phone Info** menu.

Version

You can view the hardware and software version information for your phone. This feature is helpful if you need to contact Customer Service.

1. From the **Phone Info** menu, select **Version**. The following information appears in the display:
   - **S/W** (Software) version
   - **PRL** (Preferred Roaming List) identifier
   - **ERI** (Extended Roaming Indicator)
   - **Browser** version
   - **Brew** version
   - **H/W** (Hardware) version
2. Press MENU OK to return to the **Phone Info** menu.

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government.

These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that

contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 1.07 W/Kg.
- Body-worn: 0.974 W/Kg.

SAR information on this and other model phones can be viewed online at http://www.fcc.gov/oet/ea. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: https://fun.samsungmobileusa.com/recycling/index.jsp for more information.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the

health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with

cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000.

They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it

was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested

wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 12/9/2008):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/
- Environmental Protection Agency (EPA): http://www.epa.gov/radiation/
- Occupational Safety and Health Administration's (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/index.html
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/homepage.html
- World Health Organization (WHO): http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de
- Health Protection Agency: http://www.hpa.org.uk/radiation
- US Food and Drug Administration: http://www.fda.gov/cellphones

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

Important!: If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.

- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: http://www.cdc.gov

1-888-232-6348 TTY

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
- Should not carry the phone in a breast pocket;

- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

http://www.fcc.gov/oet/rfsafety/rf-faqs.html

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

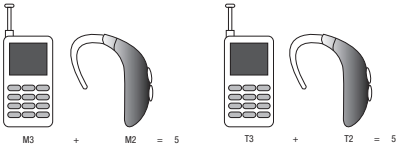
The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is

relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks

in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press the key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association:

NFPA (National Fire Protection Agency)

1 Batterymarch Park

Quincy, Massachusetts

USA 02169-7471

Internet: http://www.nfpa.org

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. For more information, refer to the *"Disabling Bluetooth or WLAN"* section.
- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all

features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not modify or remanufacture the battery as this could result in serious safety hazards.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and

lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Standard Limited Warranty

What is Covered and For How Long?
SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service

facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG.

If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

WHAT ARE THE LIMITS ON SAMSUNG'S WARRANTY/LIABILITY?
EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE

OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS. THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRDPARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. for software owned by Samsung Electronics Co., Ltd. and its affiliated companies and its third party suppliers and licensors that accompanies this EULA, which includes computer software and may include associated media, printed materials, "online" or electronic documentation ("Software"). BY CLICKING THE "I ACCEPT" BUTTON (OR IF YOU BYPASS OR OTHERWISE DISABLE THE "I ACCEPT", AND STILL INSTALL, COPY, DOWNLOAD, ACCESS OR OTHERWISE USE THE SOFTWARE), YOU AGREE TO BE BOUND BY THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THE TERMS IN THIS EULA, YOU MUST CLICK THE "DECLINE" BUTTON, DISCONTINUE USE OF THE SOFTWARE.

1. GRANT OF LICENSE. Samsung grants you the following rights provided that you comply with all terms and conditions of this EULA: You may install, use, access, display and run one copy of the Software on the local hard disk(s) or other permanent storage media of one computer and use the Software on a single computer or a mobile device at a time, and you may not make the Software available over a network where it could be used by multiple computers at the same time. You may make one copy of the Software in machine-readable form for backup purposes only; provided that the backup copy must include all copyright or other proprietary notices contained on the original.

2. RESERVATION OF RIGHTS AND OWNERSHIP. Samsung reserves all rights not expressly granted to you in this EULA. The Software is protected by copyright and other intellectual property laws and treaties. Samsung or its suppliers own the title, copyright and other intellectual property rights in the Software. The Software is licensed, not sold.

3. LIMITATIONS ON END USER RIGHTS. You may not reverse engineer, decompile, disassemble, or otherwise attempt to discover the source code or algorithms of, the Software (except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation), or modify, or disable any features of, the Software, or create derivative works based on the Software. You may not rent, lease, lend, sublicense or provide commercial hosting services with the Software.

4. CONSENT TO USE OF DATA. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, related to the Software. Samsung may use this information solely to improve its products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you.

5. UPGRADES. This EULA applies to updates, supplements and add-on components (if any) of the Software that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such upgrade. To use Software identified as an upgrade, you must first be licensed for the Software identified by Samsung as eligible for the upgrade. After upgrading, you may no longer use the Software that formed the basis for your upgrade eligibility.

6. SOFTWARE TRANSFER. You may not transfer this EULA or the rights to the Software granted herein to any third party unless it is in connection with the sale of the mobile device which the Software accompanied. In such event, the transfer must include all of the Software (including all component parts, the media and printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

7. EXPORT RESTRICTIONS. You acknowledge that the Software is subject to export restrictions of various countries. You agree to comply with all applicable international and national laws that apply to the Software, including the U.S. Export Administration Regulations, as well as end user, end use, and destination restrictions issued by U.S. and other governments.

8. TERMINATION. This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the terms and conditions of this EULA. Upon termination of this EULA, you shall cease all use of the Software and destroy all copies, full or partial, of the Software.

9. DISCLAIMER OF WARRANTIES. You expressly acknowledge and agree that use of the Software is at your sole risk and that the entire risk as to satisfactory quality, performance, accuracy and effort is with you. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE SOFTWARE IS PROVIDED "AS IS" AND WITH ALL FAULTS AND WITHOUT WARRANTY OF ANY KIND, AND SAMSUNG AND ITS LICENSORS (COLLECTIVELY REFERRED TO AS "SAMSUNG" FOR THE PURPOSES OF SECTIONS 9, 10 and 11) HEREBY DISCLAIM ALL WARRANTIES AND CONDITIONS WITH RESPECT TO THE SOFTWARE, EITHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, OF FITNESS FOR A PARTICULAR PURPOSE, OF RELIABILITY OR AVAILABILITY, OF ACCURACY, OF LACK OF VIRUSES, OF QUIET ENJOYMENT, AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS. SAMSUNG DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE SOFTWARE, THAT THE FUNCTIONS CONTAINED IN THE SOFTWARE WILL MEET YOUR

REQUIREMENTS, THAT THE OPERATION OF THE SOFTWARE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE SOFTWARE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY SAMSUNG OR A SAMSUNG AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY. SHOULD THE SOFTWARE PROVE DEFECTIVE, YOU ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR LIMITATIONS ON APPLICABLE STATUTORY RIGHTS OF A CONSUMER, SO THESE EXCLUSIONS AND LIMITATIONS MAY NOT APPLY TO YOU.

10. EXCLUSION OF INCIDENTAL, CONSEQUENTIAL AND CERTAIN OTHER DAMAGES. TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT SHALL SAMSUNG BE LIABLE FOR PERSONAL INJURY, OR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER, OR FOR LOSS OF PROFITS, LOSS OF DATA, BUSINESS INTERRUPTION, OR FOR ANY PECUNIARY DAMAGES OR LOSSES, ARISING OUT OF OR RELATED TO YOUR USE OR INABILITY TO USE THE SOFTWARE, THE PROVISION OF OR FAILURE TO PROVIDE SUPPORT OR OTHER SERVICES, INFORMATION, SOFTWARE, AND RELATED CONTENT THROUGH THE SOFTWARE OR OTHERWISE ARISING OUT OF THE USE OF THE SOFTWARE, OR OTHERWISE UNDER OR IN CONNECTION WITH ANY PROVISION OF THIS EULA, HOWEVER CAUSED, REGARDLESS OF THE THEORY OF LIABILITY (CONTRACT, TORT OR OTHERWISE) AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY FOR PERSONAL INJURY, OR OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU.

11. LIMITATION OF LIABILITY. Notwithstanding any damages that you might incur for any reason whatsoever (including, without limitation, all damages referenced herein and all direct or general damages in contract or anything else), the entire liability of Samsung under any provision of this EULA and your exclusive remedy hereunder shall be limited to the greater of the actual damages you incur in reasonable reliance on the Software up to the amount actually paid by you for the Software or US$5.00. The foregoing limitations, exclusions and disclaimers (including Sections 9, 10 and 11) shall apply to the maximum extent permitted by applicable law, even if any remedy fails its essential purpose.

12. U.S. GOVERNMENT END USERS. The Software is licensed only with "restricted rights" and as "commercial items" consisting of "commercial software" and "commercial software documentation" with only those rights as are granted to all other end users pursuant to the terms and conditions herein.

13. APPLICABLE LAW. This EULA is governed by the laws of TEXAS, without regard to conflicts of laws principles. This EULA

shall not be governed by the UN Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded. If a dispute, controversy or difference is not amicably settled, it shall be finally resolved by arbitration in Seoul, Korea in accordance with the Arbitration Rules of the Korean Commercial Arbitration Board. The award of arbitration shall be final and binding upon the parties.

14. ENTIRE AGREEMENT; SEVERABILITY. This EULA is the entire agreement between you and Samsung relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important!: Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

Important!: If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

Phone: 1-888-987-HELP (4357)

©2009 Samsung Telecommunications America. All rights reserved.

No reproduction in whole or in part allowed without prior written approval. Specifications and availability subject to change without notice.

A

Accessing Your Phone's Information 129
Accessing Your Phone's Tools 92
Airplane Mode 119
Alarm Clock 98
- Set an Alarm 98
- Turn Off the Alarm 99
- When an Alarm Sounds 99

Apps
- Buying 66
- Disabled 66
- Expired 67
- Removing 66
- Restoring 67

Auto Scroll 62
Auto View 62

B

Battery
- Charging 5
- Low Battery Indicator 5
- Removal 6
- Travel Adapter 5

Bluetooth
- Add New Device 93
- Registered List 93
- Settings 94
- Turn On/Off 92

Brew
- Applications Shopping and Downloading 65
- Launching 65
- On-line Help 66
- Settings 65

Browser
- How the Browser Keys Work 64
- Launching 63
- Using Links 64

C

Calculator 101
Calendar 95
Call Functions
- Adjusting the Call Volume 26
- Answering a Call 25
- Call Log 26
- Making a Call — Number Entry Dialing 21
- Making a Call — Speed Dialing 22
- Making a Call — Voice Dialing 23

Call Settings
- Auto Answer 117
- Auto Retry 117
- Call Alert 117
- Call Answer 116
- Data Settings 118

Camcorder
- Color Effects 79
- Options 77
- Screen Icons 72
- Taking Videos 68

Camcorder mode 18
Camera
- Brightness 80
- Options 73
- Photo Gallery 80
- Save Pictures 72
- Screen Icons 71
- Taking Pictures 68

Zoom 80
Camera mode 18
Camera Options
Color Effects 76
Night Shot 74
Resolution 74
Self Timer 75
Card Memory
Formatting 129
Management 127
Contacts List
Open 33
Converters 102
Creating and Sending New Messages
Picture (Pic) Message 50
Text Message 49
Video Message 53

D

Display Settings
Backlight 114
Banner 113
Clock Format 112
Dialing Font Size 113
Front Contrast 114
Theme Color 113
Wallpaper 112

E

Emergency Calls 21
Entering Text
Alpha (Abc) Mode 45, 46
Entering Numbers 48
Entering Symbols 48
Entering Upper and Lower Case Letters 47
Text Entry Modes 45
Erase voice memos 91
Exit Web 63

F

File Save Options 125
Formatting a Memory Card 129
Formatting a microSD Card 129

G

Gallery 70, 72
Gallery, photo 80
Getting Started
Activating Your Phone 6
Understanding this User Manual 4
Voicemail 7

H

HAC 143
Health and Safety Information 131

I

Icon Glossary 130
In-Use Menu 19

K

Key Tone 116

L

Language 119
Lock Mode 16

M

Making a Call
Number Entry Dialing 21
Quick Search Dialing 23
Speed Dialing 22
Voice Dialing 23
Making a Call — Quick Search Dialing 23
Memo Pad 97
Memory Card
Formatting 129
Installing 8
Removing 8

Menu Navigation
In-Use Options 19
Keypad Shortcuts 20
Quick Search 20
Return to Previous Menu 19
Message Folders
Drafts folder 59
Inbox 57
Messages and Lock Mode 58
Outbox 58
Voicemail 60
Message Send Options 55
Message Setting 61
Message Settings
General 61
Picture 62
Text 62
Messaging
Erasing Messages 61
Message Settings 61
microSD
Formatting 129
Installing 8
Removing 8
Mode
Camcorder 18
Camera 18
M-Ratings 143
Multimedia 83

N

NAM selection 122
Navigation key shortcuts 19
Notes and tips 4
Notes, description 4
Number Entry Dialing 21

P

Personal Organizer
Voice Memo 90
Phone
Command Keys 12
Display Screen 14
Display Screen Icons 14
Features 10
Modes 15
View, Open, Front 11
View,Closed 10
Phone Info Menu
Accessing 129
Phone Memory
Freeing 126
Freeing Card Memory 128
Usage Info 126, 127
Phone Number 129
Phone Safety 142
Phone Settings
Airplane Mode 119
Language 119
NAM selection 122
Quick Search 123, 124
Set Time 123
System Select 122
Photos
Sending 81
Picture (Pic) Message 50
Picture Messages
Send in Camera Mode 51

Q

Quick Search
Making a Call 23
Menu Navigation 20
PC Connection 124
Searching for a Contact 124
Searching for a Menu Item 123

Setup 123
Shortcut Key 125

R

Receiving New Messages 56
While in a Call 56
Record memos 90
Reset Settings 77, 80
Return to Previous Menu 19
Ringer Volume Setting 17
Roaming 31

S

SAR values 131
Save pictures 72
Screen Layouts 70
Searching
For a Contact 124
For a Menu Item 123
Security Settings
Change Lock 120
Emergency # 120
Erase Contacts 121
Lock Phone 119
Resetting Your Phone 121
Restriction 122
Set Time 123
Settings
Call Settings 116
Display 111
Phone 119
Security 119
Sound 114
Setup
Location 111
Voicemail 57
Silent Mode 16
Sound Settings
Alerts 115
Key Tone 116
Ringer Type 115
Volume 114
Speed Dialing 22
One-Touch Dialing 22
Three Touch Dialing 22
Two-Touch Dialing 22
Standard Limited Warranty 151
Standby Mode 16
Stop Watch 101

T

Taking pictures and videos 68
Text Conventions 4
Text message 49
Text Message Settings
Auto Scroll 62
Auto View 62
Tip Calculator 104
Tip, description 4
Tools
Alarm Clock 98
Bluetooth 92
Calculator 101
Calendar 95
Converter 102
Memo Pad 97
Stop Watch 101
Tip Calculator 104
World Time 99
Tools Menu
Accessing 92

T-Ratings 143
TTY Mode 117

U

UL Certification 132
Understanding Your Contacts
- Adding a New Contact Entry 33
- Deleting a Contact Entry 44
- Editing an Existing Contact Entry 39
- Finding a Contact Entry 36
- Memory 44
- Pauses 39

V

Version 130
Video Message 53
Voice Dialing 23
Voice Memo 90
- Erase all memos 91
- Record memos 90
- Review memos 90

Voice Service
- Adapt Digits 108
- Command Tips 107
- Commands 106
- Making a Call 23
- Settings 107
- Sound 109

Voicemail
- Checking 57
- Listening To 8
- Setup 57

VoiceSignal
- Voice Memos 90

W

Wallpaper 112
Warranty Information 151
World Time 99